# CITY COUNCIL AGENDA ITEM COVER MEMO

		Ag	genda Item N	umber
Meeting Type:	<u>Regular</u>	Me	eeting Date:	3/22/2012
Action Requeste Engineering	ed By:		Agenda Item Resolution	Туре
Subject Matter:				
Agreement with	n Johnson & Associates Co	onsulting Engineers, L	L.C.	
Exact Wording f				
Consulting Engi	norizing the Mayor to ente ineers, L.L.C. for Enginee Phase I, Project No. 65-1	ring Design Services f	with Johnson or Old Highw	& Associates ay 20 Widening
Note: If amend	dment, please state titl	e and number of th	e original	
Item to be consi	idered for: <u>Action</u>	Unanimous Consent	Required: No	2
provide, allow	the action is required; wand; any other information			cil action will
Engineering sendesign for Old Habigan for Old Habigan for extending west	vices contract for professi lighway 20 from County L r a 5-lane road segment of for approximately 1.8 mil ,000.00. Account No. 23	onal services to perfo ine Road westward fo of the corridor beginn es. Design services in	rm a limited r approximat ing near Lime	ely four (4) miles and estone Creek and
Associated Cost:		Budg	jeted Item: <u>Se</u>	elect
MAYOR RECOMM	ENDS OR CONCURS: Sel	ect		
epartment Hea	July 1_		_ Date: 3	1/20/12
evised 3/12/2012				

# ROUTING SLIP CONTRACTS AND AGREEMENTS

Originating Department: Engineering Council Meeting Date: 3/22/2012

Department Contact: Lynn Majors Phone # 256-427-5201

Contract or Agreement: Engineering Services

Document Name: J&A-Old Hwy 20 Phase I-Project No. 65-12-RD01

City Obligation Amount: \$295,000.00

Total Project Budget: \$295,000.00

Uncommitted Account Balance: 0

Account Number: 23-6500-0813-8154

**Procurement Agreements** 

Not Applicable	Not Applicable		
	<b>Grant-Funded Agreements</b>		

Not	Grant Name:
<u>Applicable</u>	

Signature	<b>Date</b>
810	3/20/12
Mary Cate	3/20/12
a Lie	3/21/12
	,
	Signature  April Cates

# RESOLUTION NO. 12-

BE IT RESOLVED by the City Council of the City of Huntsville, Alabama, that the Mayor be, and is hereby authorized, to enter into an agreement with Johnson & Associates Consulting Engineers, L.L.C. in the amount of TWO HUNDRED NINETY-FIVE THOUSAND AND NO/100 DOLLARS (\$295,000.00) for Engineering Design Services for Old Highway 20 Widening Improvements, Phase I, Project No. 65-12-RD01, in Huntsville, Alabama, on behalf of the City of Huntsville, a municipal corporation in the State of Alabama, which said agreement is substantially in words and figures similar to that document attached hereto and identified as "Agreement between City of Huntsville and Johnson & Associates Consulting Engineers, L.L.C. for Engineering Design Services for Old Highway 20 Widening Improvements, Phase I, Project No. 65-12-RD01" consisting of a total of nineteen (19) pages plus fifty-three (53) additional pages consisting of Attachments 1-16, and the date of March 22, 2012, appearing on the margin of the first page, together with the signature of the President or President Pro Tem of the City Council, and an executed copy of said document being permanently kept on file in the Office of the City Clerk of the City of Huntsville, Alabama.

ADOPTED	this	the 22n	dday	of <u>Ma</u>	rch		2012.
					of the (	-	
APPROVED	) this	the _22	nd day	of <u>M</u> a	rch		2012.
				yor of abama	the City	of Hunts	ville,

# AGREEMENT BETWEEN

# **CITY OF HUNTSVILLE, ALABAMA**

AND

JOHNSON & ASSOCIATES CONSULTING ENGINEERS, L.L.C.

**FOR** 

ENGINEERING DESIGN SERVICES FOR

OLD HIGHWAY 20 WIDENING IMPROVEMENTS, PHASE I

Project I.D Number 65-12-RD01 March 22, 2012

President of the City Council of the City of Huntsville, AL

Date: March 22, 2012

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# AGREEMENT BETWEEN

# CITY OF HUNTSVILLE, ALABAMA AND JOHNSON & ASSOCIATES CONSULTING ENGINEERS, L.L.C. FOR ENGINEERING DESIGN SERVICES FOR OLD HIGHWAY 20 WIDENING IMPROVEMENTS, PHASE I

Project I.D Number 65-12-RD01

THIS AGREEMENT made as of the 22nd day of March in the year 2012, by and between the CITY OF HUNTSVILLE, ALABAMA (hereinafter called OWNER), and JOHNSON & ASSOCIATES CONSULTING ENGINEERS, L.L.C., (hereinafter called ENGINEER).

WITNESSETH, for the considerations hereinafter set forth, the parties hereto agree as follows:

# <u>ARTICLE 1 - ENGAGEMENT OF THE ENGINEER</u>

The OWNER hereby engages the ENGINEER, and the ENGINEER hereby accepts the engagement to provide general engineering and consultation as a representative of the OWNER to include the following:

- 1.1 Professional engineering services for a limited preliminary design of a four (4) mile corridor from Greenbriar Parkway to County Line Road (a distance of 4 miles) and final design of Old Highway 20 Widening Improvements, Phase I, as further described in ARTICLE 2, and hereinafter called PROJECT.
- 1.2 By executing this Agreement, the ENGINEER represents to the OWNER that the ENGINEER is a professional qualified to act as the ENGINEER for the PROJECT and is licensed and certified to practice engineering by all public entities having jurisdiction over the ENGINEER and the PROJECT. The ENGINEER further represents to the OWNER that the ENGINEER will maintain all necessary licenses, certifications, permits or other authorizations necessary to act as ENGINEER for the PROJECT until the ENGINEER's remaining duties hereunder have been satisfied. The ENGINEER shall assign only qualified personnel to perform any service concerning the PROJECT. All services rendered by the ENGINEER for the PROJECT shall be performed by or under the immediate supervision of experienced and qualified professionals licensed, certified, and registered as appropriate in the State of Alabama possessing the expertise in the discipline of the service being rendered. The ENGINEER assumes full responsibility to the OWNER for the negligent acts, errors and omissions of its consultants or others employed or retained by the ENGINEER in connection with the PROJECT.
- 1.3 Execution of this Agreement by the ENGINEER constitutes a representation that the ENGINEER has become familiar with the PROJECT site and the local conditions under which the PROJECT is to be implemented. The ENGINEER agrees to provide all necessary engineering services required to professionally accomplish the ENGINEER's defined scope

# <u>ARTICLE 2 – DESIGN SERVICES OF THE ENGINEER</u>

- 2.1 ENGINEER shall provide for OWNER professional engineering services for limited preliminary design of a four (4) mile corridor from Greenbriar Parkway to County Line Road (a distance of 4 miles) and final design of Old Highway 20 Widening Improvements, Phase I design of Old Highway 20 Widening Improvements, Phase I.
- 2.2 These services shall include consultation and advice; customary civil, structural, mechanical and electrical engineering design services; and Architectural services incidental thereto, as outlined herein and further described in the SCOPE OF SERVICES, ATTACHMENT 1.
- 2.3 Upon the OWNERS authorization, the ENGINEER shall prepare construction documents consisting of drawings and specifications setting forth in detail the requirements for construction of the PROJECT. The ENGINEER warrants that such construction documents are accurate, coordinated and adequate for the construction and in conformity and comply with applicable laws, codes and regulations. Products specified for use shall be readily available unless written authorization to the contrary is given by the OWNER. Products or materials specified by the ENGINEER that are available from only one source shall be justified in writing by the ENGINEER in order to meet applicable federal, state, or local procurement or bid requirements.
- The ENGINEER shall prepare appropriate bid alternates as necessary in order to assure that the PROJECT can be awarded within the PROJECT budget limitations.
- 2.5 The ENGINEER shall serve as the OWNER's professional representative in those portions of the PROJECT to which this Agreement applies and shall consult with and advise the OWNER during the performance of these services.
- The ENGINEER shall incorporate into its design, and into its final work products, the requirements contained within the OWNER's engineering standards, standard specifications, and design manuals referenced in ATTACHMENT 4. The requirements of the State of Alabama Department of Transportation design standards shall be reviewed for applicability and incorporated into portions of the work where joint participation between the OWNER and the State is applicable. When conflicts are noted between the OWNERS requirements and standards of others, the OWNERS standards shall take precedent. Discrepancies shall be brought to the attention of the OWNER. Deviations from OWNER's requirements shall be identified to the OWNER by the ENGINEER in writing prior to incorporating the changes.
- 2.7 The ENGINEER shall obtain all Planning Commission approvals with regard to location, character and extent, as required.
- 2.8 The ENGINEER shall obtain a Utility Project Notification Form (Attachment 11) from all affected utilities on the project by the 60% design review stage. Acceptance shall be provided as a signed original by all affected parties at the 90% design review stage.
- 2.9 The ENGINEER shall promptly correct, or have corrected, any errors, omissions, deficiencies or conflicts in the ENGINEER's work product or that of his sub-contractors/sub-consultants, without additional compensation for time, reproduction or distribution.
- 2.10 During the process of design and preparation of the construction documents, the ENGINEER shall review with the OWNER the construction documents, the estimate of probable construction cost, schedule, and other design services issues. Such review shall be, at a minimum, as outlined in ATTACHMENT 5 as 0%, 30%, 60%, and 90% completion stage.

Following such reviews, the ENGINEER shall make any appropriate revisions thereto to assure compliance with the OWNER's requirements.

2.11 Field surveying work is required and shall be performed in accordance with "Standards of Practice for Surveying in the State of Alabama" as required by the Alabama Board of Registration for Engineering and Land Surveyors. Surveying shall include P.K. Nails or other permanent stationing markings as well as staking of right-of-way, easements and parcels of land acquired by the City of Huntsville. Property corners shall be set at the new right-of-way. Easements shall be staked as requested by the City of Huntsville. The above field work shall be performed as a minimum as needed at the time of right-of-way acquisition and one additional time near the 100% submittal stage as determined by the OWNER. The cost for these services is included in the fees for Basic Services.

Survey data shall be based on a US Public Land Survey System corner or quarter corner. Said corner or quarter corner shall be field verified by the surveyor and a state plane coordinate provided in deliverables submitted to the City of Huntsville. All survey work shall be based on the following datum's:

Coordinate System:

**US State Plane** 

Zone:

Alabama East 0101

Vertical Datum:

The North American Vertical Datum of 1988 (NAVD 88)

Horizontal Datum:

The North American Datum of 1983 (NAD 83)

Geoid Model:

Geoid03

Units:

**US Survey Feet** 

- 2.12 The ENGINEER shall comply with the City of Huntsville Tree Ordinance and carry the requirements referenced therein with deliverables (drawings, specifications, etc.) in accordance with Section 27-57 of the City of Huntsville Code of Ordinances (Ord. No. 04-45, §13, 2-12-2004).
- 2.13 The ENGINEER shall prepare the prebid agenda after obtaining comments from stakeholders such as affected utilities, City of Huntsville Construction Project Engineer and Inspector(s), and other City of Huntsville departments as applicable. The ENGINEER shall moderate the prebid meeting, prepare meeting minutes, make clarifications, prepare addendums, and distribute to bidders.
- A valid City of Huntsville license shall be maintained throughout the term of this contract. Additionally, the engineering firm shall be required to obtain and pay for all other federal, state or local permits, licenses, and fees which may be necessary or required in order to perform the work detailed herein.

# ARTICLE 3 - CONSTRUCTION ADMINISTRATION SERVICES OMITTED

# **ARTICLE 4 - ADDITIONAL SERVICES**

The following services of the ENGINEER are not included in Article 2. Nevertheless, the ENGINEER shall provide such services if authorized in writing by the OWNER, and they shall be paid for by the OWNER as provided in Article 7, unless otherwise noted.

4.1 Making revision in drawings, specifications or other documents when such revisions are inconsistent with written direction by the OWNER previously given, are required by the

- enactment of revision of codes, laws or regulations subsequent to the preparation of such documents and not reasonably anticipated, or are due to other causes not within the control or responsibility of the ENGINEER, either in whole or in part.
- 4.2 Preparing drawings, specifications and supporting data in connection with change orders, provided that such change orders are issued by the OWNER due to causes not within the control or responsibility of the ENGINEER, either in whole or in part.
- 4.3 Providing additional services for repair or replacement of work damaged by acts of God or other cause during construction provided that such services are required by causes not the responsibility of the ENGINEER, either in whole or in part.
- Providing services not otherwise required herein which are made necessary solely by the default of the ENGINEER or major defects or deficiencies in the work of the ENGINEER. These services shall be provided with no increase in the contract amount and will not be compensable on an hourly basis.
- **4.5** Providing expert witness services and other services arising out of claims.
- 4.6 Provide services to stake site during construction.

# **ARTICLE 5 - RESPONSIBILITIES OF OWNER**

The OWNER, without cost to the ENGINEER, will perform the following in a timely manner so as not to delay the services of the ENGINEER:

- 5.1 Assist ENGINEER by placing at ENGINEER's disposal all available information pertinent to the PROJECT including previous reports and any other data relative to design or construction of the PROJECT.
- 5.2 Provide all criteria and full information as to OWNER's requirements for the PROJECT, including design objectives and constraints, space, capacity and performance requirements, flexibility and expendability, and any budgetary limitations. The OWNER shall also furnish copies of all design and construction standards, which OWNER will require to be included in the drawings and specifications.
- Assist the ENGINEER as necessary in acquiring access to and making all provisions for the ENGINEER to enter upon public and private lands as required for the ENGINEER to perform the work under this agreement.
- Designate in writing a person to act as the OWNER's representative with respect to the work to be performed under this Agreement, such person to have complete authority to transmit instructions, receive information, interpret and define the OWNER's policies and decision with respect to materials, equipment elements and systems pertinent to the work covered by this Agreement. Examine all studies, reports, sketches, drawings, specifications, proposals and other documents presented by ENGINEER, obtain advice of an attorney, insurance counselor and other consultants as OWNER determines appropriate for such examination and render in writing decisions pertaining thereto within a reasonable time so as not to delay the services of ENGINEER.
- 5.5 When requested by the Engineer, the OWNER will intercede on the ENGINEER's behalf when data from, or reviewed by third parties is not on schedule through no fault of the ENGINEER

5.6 The OWNER's review of any documents prepared by the ENGINEER or its consultants shall be solely for the purpose of determining whether such documents are generally consistent with the OWNER's intent. No review of such documents shall relieve the ENGINEER of its responsibility for the accuracy, adequacy, fitness, suitability and coordination of its work product.

# **ARTICLE 6 - PERIOD OF SERVICES**

The ENGINEER shall commence services pursuant to this agreement as of March 23, 2012. The final completion date for the completion of design services as outlined in Article 2 shall be December 31, 2012.

The ENGINEER shall perform these services with reasonable diligence and expediency consistent with sound professional practices. The ENGINEER shall include in his schedule an allowance for time required for OWNER's review of submissions and for approvals of authorities having jurisdiction over the PROJECT. When approved by the OWNER, the schedule shall not be exceeded by the ENGINEER, except for cause.

If the ENGINEER becomes aware of delays due to time allowances for review and approval being exceeded, delay by the OWNER, the OWNER's consultants, or any other reason beyond the ENGINEER's control, which may result in the schedule of performance of the ENGINEER's services not being met, the ENGINEER shall promptly notify the OWNER. If the OWNER becomes aware of any delays or other causes that will affect the ENGINEER's schedule, the OWNER shall promptly notify the ENGINEER. In either event, the ENGINEER's schedule for performance of its services shall be equitably adjusted.

# **ARTICLE 7 - PAYMENT TO THE ENGINEER**

# 7.1 BASIC SERVICES

The OWNER shall compensate the ENGINEER for services rendered pursuant to this Agreement, excepting those services described as Additional Services in Article 4 of this Agreement, by payment of the LUMP SUM AMOUNT of TWO HUNDRED NINETY-FIVE THOUSAND AND NO/100 DOLLARS (\$295,000.00) for design services as described in Article 2. Additional services of the ENGINEER as described in Article 4, if any, shall be compensated on an hourly basis in accordance with Attachment 6.

# 7.2 REIMBURSABLE EXPENSES

The scope of work for sub-contracted services is defined in the ENGINEER's scope of services, Attachment 1. The scope includes provisions for administration expenses for subcontracted services and reimbursable direct expenses including but not limited to laboratory tests and analyses; computer services; word processing services; permit fees, bonds, telephone, printing, binding and reproduction charges; and other similar costs. Indirect costs will have administrative fee reimbursements limited to no more than 5%. Direct costs are also limited to no more than 5% reimbursement.

Reimbursable expenses shall be limited during the term of this agreement as stated in Art. 7.1 Basic Services.

# 7.3 EFFECTIVE DATE

This contract shall have no force or effect unless and until it is executed by the OWNER and the ENGINEER and a properly executed copy is mailed to the ENGINEER with a

notice to proceed (NTP). If a NTP is not issued within sixty (60) days commencing from the last date of execution of this CONTRACT by the OWNER and the ENGINEER, then this CONTRACT shall be NULL AND VOID, the OWNER will not be obligated to any payment to the ENGINEER and the ENGINEER will not be obligated to perform any work under said CONTRACT.

# **PAYMENT SUMMARY**

Engineering Design Services -

LUMP SUM AMOUNT OF

\$295,000,00

**TOTAL CONTRACT AMOUNT:** 

\$295,000,00

# **ARTICLE 8 - GENERAL PAYMENT PROCEDURE**

#### 8.1 INVOICES

- 8.1.1 The ENGINEER shall submit monthly invoices to the Administrative Officer in the Engineering Department, for the basic services described under Articles 2 and 4 for the design of the PROJECT. Invoices must include the City of Huntsville project name and number, dates of services, contract amount, previous billings and current billing. Along with each invoice, the ENGINEER must submit a consultant progress report known as Attachment 7. No payment will be made without the consultant progress report completed and attached. Monthly progress reports shall be submitted monthly even if no request for payment is made. If services under Article 4 are included in the invoice for additional services not included under the lump sum provisions, or services billed as time and material, the classification and hours of such persons rendering the services shall be attached to the invoice.
- The signature of the ENGINEER on the invoice shall constitute the ENGINEER's 8.1.2 representation to the OWNER that the services indicated in the invoice have progressed to the level indicated, have been properly and timely performed as required herein, that the reimbursable expenses included in the invoice have been reasonably incurred, that all obligations of the ENGINEER covered by prior invoices have been paid in full, and that, to the best of the ENGINEER's knowledge, information and informed belief, the amount requested is currently due and owing, there being no reason known to the ENGINEER the payment of any portion thereof should be withheld. Submission of the ENGINEER's invoice for final payment and reimbursement shall further constitute the ENGINEER's representation to the OWNER that, upon receipt from the OWNER of the amount invoiced, all obligations of the ENGINEER to others, including its consultants, incurred in connection with the PROJECT, have been paid in full. ENGINEER must designate on Attachment 7 -Progress Report in the appropriate space provided that such action has been completed.

# 8.2 TIME FOR PAYMENT

The OWNER shall make payment for services in Articles 2 and 4 within 60 days of receipt of valid invoice.

# 8.3 OWNER'S RIGHT TO WITHHOLD PAYMENT

In the event the OWNER becomes credibly informed that any representations of the ENGINEER, provided pursuant to Article 8.1.2, are wholly or partially inaccurate, the OWNER may withhold payment of sums then or in the future otherwise due to the ENGINEER until the

inaccuracy, and the cause thereof, is corrected to the OWNER's reasonable satisfaction. Additionally, failure by the ENGINEER to supply substantiating records shall be reason to exclude related costs from the amounts which might otherwise be payable by the OWNER to the ENGINEER.

# 8.4 REIMBURSABLE EXPENSES

- 8.4.1 In addition to the requirements set forth in 8.1 above, invoices for reimbursable expenses shall include such documentation as the OWNER may require. Reasonable expenses are limited to the following expenses:
  - (a) Transportation outside the immediate Huntsville area (50 mile radius) approved in advance by the OWNER in writing and incurred in connection with the PROJECT; (Per Department of Treasury, Internal Revenue Service Publication 1542, Per Diem Rates, for travel within the continental United States). Refer to website: <a href="https://www.irs.gov/pub/irs-pdf/p1542.pdf">www.irs.gov/pub/irs-pdf/p1542.pdf</a> for more information.
  - (b) Charges for long-distance communications;
  - (c) Fees paid for securing approval of authorities having jurisdiction over the PROJECT,
  - (d) Actual costs of reproduction for items in excess of those included in the required services:
  - (e) Postage and handling charges incurred for drawings, specifications and other documents.
- 8.4.2 The ENGINEER shall set forth with particularity on its invoice the nature and cost of the expense item being billed, and attach to its invoice the written authorization, if any, required for such item; and shall bill expenses at actual cost or prevailing rate and without the addition of administrative charge, any multiple or surcharge.

# 8.5 W-9 TAXPAYER FORM

All ENGINEERING FIRMS are required to submit a Federal Tax Form W-9 to City of Huntsville at the time a contract is awarded. No payments of invoices can be made until this W-9 Tax Form has been properly submitted. A copy of the W-9 Tax Form can be requested from the OWNER or at the following website: <a href="https://www.irs.ustreas.gov/pub/irs-pdf/fw9.pdf">www.irs.ustreas.gov/pub/irs-pdf/fw9.pdf</a>

# <u>ARTICLE 9 - GENERAL CONSIDERATIONS</u>

#### 9.1 GENERAL

OWNER and ENGINEER agree that the following sections and provisions shall apply to the work to be performed under this Agreement and that such provisions shall supersede any conflicting provisions of this Agreement.

# 9.2 SUB-CONTRACTED SPECIALIZED SERVICES

The ENGINEER may sub-contract specialized services required of the PROJECT to competent and experienced sub-consultants approved by the OWNER in writing. As a prime professional, the ENGINEER shall act as OWNER's representative for contracting, directing, and managing the services of sub-consultants. The OWNER shall have the right to reject any consultant provided that the OWNER raises a timely objection. At the time of the execution of this Agreement, the parties anticipate that the consultants listed in Attachment "8" hereto will be retained by the ENGINEER to provide services with respect to the PROJECT. Expenses payable to the ENGINEER for subcontracted services are limited to no

more than 5% of the cost of the subcontracted services

#### 9.3 PEER REVIEW

The OWNER reserves the right to conduct, at the OWNER's expense, peer review of designs and drawings prepared by the ENGINEER and/or sub-consultant(s) for the PROJECT. The ENGINEER and sub-consultant(s) agree that knowledge and consent to review of their work by other engineers of the OWNER's choosing is hereby given in accordance with the ADMINISTRATIVE CODE (RULES AND REGULATIONS) of the Alabama State Board of Licensure for Professional Engineers and Land Surveyors, Chapter 330-X-14-.06(a) (13) effective January 2008 and as may be amended now or in the future pertaining to the Code of Ethics for review of the work of another engineer.

# 9.4 CLARIFICATION OF WORK

If reviewing agencies raise questions regarding the work of ENGINEER, OWNER will participate in such meetings as deemed necessary to explain and clarify this work.

#### 9.5 CANCELLATION OF WORK

This Agreement may be canceled by either party in the event of default or violation of any of the provisions of this Agreement by the other party, by written notice delivered to the address of record by registered mail giving ten (10) days advance notice of the intention to cancel. In the event of cancellation of this Agreement, ENGINEER shall be paid for all work performed to date of cancellation, less any loss, damage, or liability incurred by reason of default of ENGINEER and all records, data, parameters, design calculations and other information collected or obtained in the performance of this Agreement shall be delivered to OWNER.

#### 9.6 CHANGES

- 9.6.1 The OWNER may, at any time by written order, make changes within the general scope of the Agreement in the services to be provided. If such changes cause an increase or decrease in ENGINEER's cost of, or time required for performance of any services, whether or not changed by any order, an equitable adjustment shall be made and the Agreement shall be modified in writing accordingly. Upon notification of change, ENGINEER must assert any claim of ENGINEER for adjustment in writing within 30 days from the date of receipt unless OWNER grants a further period of time.
- 9.6.2 If findings in any phase of this PROJECT significantly alter the scope of work for subsequent phases, or if regulations are changed resulting in a scope of work change for any phase, engineering fees set forth in Article 7 may be renegotiated by the OWNER and ENGINEER.

# 9.7 ENGINEER'S RECORDS

Documentation accurately reflecting services performed and the time expended by the ENGINEER and his personnel and records of reimbursable expenses shall be prepared concurrently with the performance of the services and shall be maintained by the ENGINEER. The ENGINEER shall maintain record copies of all written communications, and any memoranda of verbal communications related to the PROJECT. All such records and documentation shall be maintained for a minimum of five (5) years after the PROJECT date of final completion or for any longer period of time as may be required by law or good practice. If the ENGINEER receives notification of a dispute or of pending or commencement of litigation during this five-year period, the ENGINEER shall continue to maintain all PROJECT records until final resolution of the dispute or litigation. The ENGINEER shall

make such records and documentation available to the OWNER upon notice and shall allow the authorized representative(s) of the OWNER to inspect, examine, review and copy the ENGINEER's records at the OWNER's reasonable expense.

# 9.8 USE AND OWNERSHIP OF DOCUMENTS

All rights of ownership, copyrights, construction documents, including all drawings, specifications and other documents, electronic media, computer source code, or things prepared by or on behalf of the ENGINEER for the PROJECT are hereby transferred to the OWNER and shall be the sole property of the OWNER and are free of any retention rights of the ENGINEER. The ENGINEER hereby grants to the OWNER an unconditional right to use or to refer to, for any purpose whatsoever, the construction documents and any other documents or electronic media, computer source code prepared by or on behalf of the ENGINEER for the PROJECT, free of any copyright claims, trade secrets or other proprietary rights with respect to such documents. The ENGINEER shall be permitted to retain copies thereof for its records. The ENGINEER's documents and other work products are not intended or represented to be suitable for re-use by OWNER or others on extensions of the PROJECT or on any other PROJECT. Any re-use without specific written verification or adaptation by ENGINEER will be at OWNER's sole risk and without liability or legal exposure to ENGINEER, and OWNER shall indemnify and hold harmless ENGINEER from all claims. damages, losses and expenses including attorneys' fees arising out of, or resulting from, such reuse by the OWNER; provided however, that this agreement to indemnify and save harmless shall not apply to any reuse of documents retained by, or through, the ENGINEER.

# 9.9 ESTIMATE OF CONSTRUCTION COST

Since ENGINEER has no control over the construction cost of labor, materials, or equipment, or over the construction contractor(s) methods of determining prices, or over competitive bidding or market conditions, his opinion of probable PROJECT cost or construction cost provided for herein are to be made on the basis of his experience and qualifications and represent his best judgment as a design professional familiar with the construction industry; but, ENGINEER cannot and does not guarantee that proposals, bids or construction costs will not vary from opinions of probable cost prepared by him. If OWNER wishes greater assurance as to the construction cost, he will employ an independent cost estimator.

# 9.10 TERMINATION FOR CAUSE

This Agreement may be terminated by either party upon seven (7) days written notice to the other should such other party fail substantially to perform in accordance with its material terms through no fault of the party initiating the termination.

# 9.11 TERMINATION BY THE OWNER WITHOUT CAUSE

The OWNER may terminate this Agreement without cause upon seven (7) days' written notice to the ENGINEER. In the event of such a termination without cause, the ENGINEER shall be compensated for all services performed prior to termination, together with Reimbursable Expenses incurred. In such event, the ENGINEER shall promptly submit to the OWNER its invoice for final payment and reimbursement which invoice shall comply with the provisions of Paragraph 8.1.

# **ARTICLE 10 - INDEMNITY AND INSURANCE**

# 10.1 INSURANCE

The ENGINEER shall carry insurance of the following kinds and amounts in addition to any

other forms of insurance or bonds required under the terms of the contract specifications. The ENGINEER shall procure and maintain for the duration of the job until final acceptance by the OWNER, or as later indicated, insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the ENGINEER, his agents, representatives, employees or subcontractor.

# 10.2 MINIMUM SCOPE OF INSURANCE:

# A. General Liability:

Insurance shall be written on an occurrence basis. Claims-made coverage will be accepted only on an exception basis after the OWNER's approval. The same insurance company should write General Liability Coverage and OWNERs ENGINEERs Protective Insurance.

# **B.** Commercial General Liability

Products and Completed Operations Contractual Personal Injury Explosion, Collapse and Underground Broad Form Property Damage

# C. Professional Liability:

Insurance may be written on a "claims-made" basis, providing coverage for negligent acts, errors or omissions in the performance of professional services. Coverage shall be maintained for a discovery and reporting period of no less than five (5) years after completion of the professional services and Certificates of Insurance shall be submitted to the OWNER on a yearly basis during this time frame. Coverage shall be no less comprehensive than that which is carried by at least 25% of the registered engineers or engineering firms contracting in the State of Alabama. Such coverage shall be carried on a continuous basis including prior acts coverage to cover the subject PROJECT. The professional liability insurance shall contain contractual liability coverage.

# D. Automobile Liability:

Business Automobile Liability providing coverage for all owned, hired and non-owned autos. Coverage for loading and unloading shall be provided under either automobile liability or general liability policy forms.

# E. Workers' Compensation Insurance:

Statutory protection against bodily injury, sickness or disease or death sustained by employee in the scope of employment. Protection shall be provided by a commercial insurance company or a recognized self-insurance fund authorized before the State of Alabama Industrial Board of Relations. "Waivers of Subrogation" in favor of the OWNER shall be endorsed to Workers' Compensation Insurance.

# F. Employers Liability Insurance:

Covering common law claims of injured employees made in lieu of or in addition to a worker's compensation claim.

# 10.3 MINIMUM LIMITS OF INSURANCE:

# A. General Liability:

Commercial General Liability on an "occurrence form" for bodily injury and property damage:

\$ 2,000,000 General Aggregate Limit \$ 2,000,000 Products - Completed Operations Aggregate \$ 1,000,000 Personal & Advertising Injury \$ 1,000,000 Each Occurrence

# B. Professional Liability:

Insurance may be made on a "claims-made" basis:

\$ 500,000 Per Claim - Land Surveyors \$ 1,000,000 Per Claim - Other Professionals

# C. Automobile Liability:

\$ 1,000,000 Combined Single Limit per accident for bodily injury and property damage.

# D. Workers' Compensation:

As required by the State of Alabama Statute

# E. Employers Liability:

\$ 1,000,000 Bodily Injury by Accident or Disease \$ 1,000,000 Policy Limit by Disease

# 10.4 OTHER INSURANCE PROVISIONS:

The OWNER is hereby authorized to adjust the requirements set forth in this document in the event it is determined that such adjustment is in the OWNER's best interest. If the insurance requirements are not adjusted by the OWNER prior to the OWNER's release of specifications with regard to the PROJECT in question, then the minimum limits shall apply. The City of Huntsville/OWNER shall be named on the policies of general liability and automobile insurance and on the certificate of insurance as an Additional Insured. Additional Insured status on the Commercial General Liability policy shall be through ISO Additional Endorsement CG 20 10 11 85 or equivalent and coverage shall be afforded on a primary basis.

The policies are to contain, or be endorsed to contain, the following provisions:

# A. All Coverage:

The ENGINEER is responsible to pay all deductibles. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled, non-renewal or materially changed by either party, reduced in coverage or in limits except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to the OWNER. Cancellation of coverage for non-payment of premium will require ten (10) days written notice to the OWNER.

#### 10.5 ACCEPTABILITY OF INSURERS:

Insurance is to be placed with insurers authorized by the State of Alabama with an A. M. Best rating of A-V or better.

# 10.6 VERIFICATION OF COVERAGE:

The OWNER shall be indicated as a Certificate Holder and the ENGINEER shall furnish the OWNER with Certificates of Insurance reflecting the coverage required by this document. The A. M. Best rating and deductibles, if applicable, shall be indicated on the Certificate of Insurance for each insurance policy. The certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf and must be an original signature. Certificates signed using digital signatures will not be accepted. All certificates are to be received and approved by the OWNER before work commences. The OWNER reserves the right to require complete, certified copies of all required insurance policies at any time.

# 10.7 CONSULTANTS AND/OR SUBCONTRACTORS WORKING FOR THE ENGINEER:

The ENGINEER shall furnish separate certificates and/or endorsements for each subcontractor and/or consultant showing insurance of the same type or types and to the extent of the coverage set forth in this Article 10.

# 10.8 HOLD HARMLESS AGREEMENT:

# A. Other Than Professional Liability Exposures:

The ENGINEER, to the fullest extent permitted by law, shall indemnify and hold harmless the OWNER, its elected and appointed officials, employees, agents, and representatives against all claims, damages, losses and expenses, including, but not limited to, attorney's fees, arising out of or resulting from the performance of the work, provided that any such claim, damage, loss or expense (1) is attributable to personal injury, including bodily injury sickness, disease or death, or to injury to or destruction of tangible property, including loss of use resulting there from, and (2) is caused by any negligent act or omission of the ENGINEER or any of their consultants, or anyone directly or indirectly employed by them or anyone for whose acts they are legally liable. Such obligation should not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity, which would otherwise exist as to any party or person, described in this paragraph.

# B. Professional Liability:

The ENGINEER agrees, to the fullest extent permitted by law, to defend, protect, indemnify and hold harmless the OWNER, its elected and appointed officials, officers, directors, employees, agents, and representatives from and against any and all liability, claims, demands, damages, loss, costs, fees, and expenses (including actual fees and expenses of attorneys, expert witnesses, and other consultants) actually or allegedly arising out of, or resulting from, the professional services of the ENGINEER or the ENGINEER's consultants, subcontractors, or suppliers, including, without limitation, any breach of contract or any negligent acts, errors, or omissions in the performance of the professional services provided pursuant to or as a result of this Agreement. Neither, the OWNER nor the ENGINEER shall be obligated to indemnify the other party in any manner whatsoever for the other parties own negligence. The OWNER agrees, to the fullest extent permitted by law, to indemnify and hold harmless the ENGINEER, its officers, directors, employees and sub

consultants against all damages, liabilities or cost including reasonable attorney's fees and defense cost, to the extent caused by the OWNER's negligence acts in connection with the PROJECT and acts of its contractors, subcontractors, or consultants or anyone for whom the client is legally liable.

To the fullest extent permitted by law, the ENGINEER shall defend, protect, indemnify, and hold harmless the OWNER, its elected and appointed officials, officers, directors, employees, agents, and representatives from and against any and all liability, claims, demands, damages, loss, costs, fees and expenses (including actual fees and expenses of attorneys, expert witnesses, and other consultants) for infringement of patent rights, copyrights, or other intellectual property rights, except with respect to designs, processes or products of a particular manufacturer expressly required by the OWNER in writing. If the ENGINEER has reason to believe the use of a required design, process or product is an infringement of a patent, the ENGINEER shall be responsible for such loss unless such information is promptly given to the OWNER.

# <u>ARTICLE 11- MISCELLANEOUS PROVISIONS</u>

#### 11.1 GOVERNING LAW

This Agreement shall be governed by the law of the State of Alabama.

# 11.2 INTENT AND INTERPRETATION

- 11.2.1 The intent of this contract is to require complete, correct and timely execution of the work. Any work that may be required, implied or inferred by the contract documents, or any one or more of them, as necessary to produce the intended result shall be provided by the ENGINEER.
- 11.2.2 This contract is intended to be an integral whole and shall be interpreted as internally consistent. What is required by any one contract document shall be considered as required by the contract.
- 11.2.3 When a word, term or phrase is used in this contract, it shall be interpreted or construed, first, as defined herein; second, if not defined, according to its generally accepted meaning in the engineering industry; and third, if there is no generally accepted meaning in the engineering industry, according to its common and customary usage.
- 11.2.4 The words "include", "includes", or "including", as used in this contract, shall be deemed to be followed by the phrase, "without limitation".
- 11.2.5 The specification herein of any act, failure, refusal, omission, event, occurrence or condition as constituting a material breach of this contract shall not imply that any other, non-specified act, failure, refusal, omission, event, occurrence or condition shall be deemed not to constitute a material breach of this contract.
- **11.2.6** Words or terms used as nouns in this contract shall be inclusive of their singular and plural forms, unless the context of their usage clearly requires a contrary meaning.

#### 11.3 TIME IS OF THE ESSENCE

Time limitations contained herein, or provided for hereby, are of the essence of this Agreement. The ENGINEER understands and acknowledges that time is of the essence in

completion of the PROJECT and that the OWNER will incur damages if the PROJECT is not completed on time.

#### 11.4 SUCCESSORS AND ASSIGNS

The ENGINEER shall not assign its rights hereunder, excepting its right to payment, nor shall it delegate any of its duties hereunder without the written consent of the OWNER. Subject to the provisions of the immediately preceding sentence, the OWNER and the ENGINEER, respectively, bind themselves, their successors, assigns and legal representatives to the other party to this Agreement and to the successors, assigns and legal representatives of such other party with respect to all covenants of this Agreement. Nothing herein shall be construed as creating any personal liability on the part of any officer or agent of any public body that may be party hereof, nor shall it be construed as giving any rights or benefits hereunder to anyone other than OWNER and ENGINEER.

# 11.5 NO THIRD-PARTY BENEFICIARIES

This Agreement shall inure solely to the benefit of the parties hereto and their successors and assigns. Nothing contained herein is intended to or shall create a contractual relationship with, or any rights in favor of, or any cause of action in favor or, any third party, against the OWNER or the ENGINEER.

# 11.6 INTELLECTUAL PROPERTY/ CONFIDENTIALITY

All information, documents, and electronic media, computer source code furnished by the OWNER to the ENGINEER belong to the OWNER, are considered proprietary and confidential, unless otherwise indicated by the OWNER, and are furnished solely for use on the OWNER's PROJECT. Such information, documents, and electronic media, computer source code shall be kept confidential by the ENGINEER, shall only be released as necessary to meet official regulatory requirements in connection with the PROJECT, and shall not be used by the ENGINEER on any other PROJECT or in connection with any other person or entity, unless disclosure or use thereof in connection with any matter other than services rendered to the OWNER hereunder is specifically authorized in writing by the OWNER in advance.

#### 11.7 SUBCONTRACT REQUIREMENTS

The ENGINEER shall include the terms and conditions of this Agreement in every subcontract or agreement with a consultant for this PROJECT so that these terms and conditions shall be binding upon each subcontractor or consultant. The subcontractor(s)/consultant(s) will maintain all licenses and certifications to practice engineering by all public entities having jurisdiction over the PROJECT. The subcontractor (s)/consultant(s) further represent to the OWNER that the subcontractor(s)/consultant(s) will maintain all necessary licenses, certifications, permits or other authorizations necessary for the PROJECT until the remaining duties hereunder have been satisfied.

# 11.8 NOTICES

Unless otherwise provided, all notices shall be in writing and considered duly given if the original is hand delivered; if delivered by facsimile to 256-427-5325, or is sent by U.S. Mail, postage prepaid to City of Huntsville Engineering, P. O. Box 308 (35804), 320 Fountain Circle (35801), Huntsville, AL. All notices shall be given to the addresses set forth above. Notices, hand delivered or delivered by facsimile, shall be deemed given the next business day following the date of delivery. Notices given by U.S. Mail shall be deemed given as of the second business day following the date of posting.

#### 11.9 STRICT COMPLIANCE

No failure of the OWNER to insist upon strict compliance by the ENGINEER with any provision of this Contract for Professional Services shall operate to release, waive, discharge, modify, change or affect any of the ENGINEER's obligations.

#### 11.10 **WAIVER**

No provision of this Agreement may be waived except by written agreement of the parties. A waiver of any provision on one occasion shall not be deemed a waiver of that provision on any subsequent occasion, unless specifically stated in writing. A waiver of any provision shall not affect or alter the remaining provisions of this Agreement.

# 11.11 SEVERABILITY

If any provision of this Agreement, or the application thereof, is determined to be invalid or unenforceable, the remainder of that provision and all other provisions of this Agreement shall remain valid and enforceable.

#### **11.12 ETHICS**

The ENGINEER shall not offer or accept any bribes or kickbacks from or to any manufacturer, consultant, trade contractor, subcontractor, supplier or any other individual or entity in connection with the PROJECT. The ENGINEER shall not confer on any governmental, public or quasi-public official having any authority or influence over the PROJECT any payment, loan, subscription, advance, deposit of money, services or anything of more than nominal value, present or promised. The ENGINEER shall not, without the express written permission of the OWNER, engage or recommend to the OWNER engagement of any consultant, trade contractor, subcontractor, or supplier to provide services on behalf of the ENGINEER, OWNER or PROJECT in which the ENGINEER has a direct or indirect proprietary or other pecuniary interest; or call for the use of or by exclusion require or recommend the use of products, materials, equipment, systems, processes or procedures in which the ENGINEER or in which any consultant, trade contractor, subcontractor, or supplier of the ENGINEER has a direct or indirect proprietary or other pecuniary interest. Without prior notification and written approval of the OWNER, the ENGINEER and the ENGINEER'S subconsultants shall not offer services to the OWNER'S contractor.

# 11.13 ALABAMA IMMIGRATION ACT

Compliance with the requirements of the (Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2012-535, Code of Alabama (1975) § 31-13-1 through 31-13-30, commonly referred to as the Alabama Immigration Law, is required for City of Huntsville, Alabama contracts as a condition of the contract performance. As a condition of this agreement, pursuant to Act No. 2012-535, Code of Alabama (1975) § 31-13-1 through 1-13-30, compliance with this requirement shall be done by the ENGINEER by completion of the "City of Huntsville, Alabama Report of Ownership Form" listed as Attachment 2 in this agreement and returning the completed form to the Engineering Division either by fax to 256/427-5325 to the attention of Mary Hollingsworth, email to

Mary.Hollingsworth@huntsvilleal.gov, hand delivery or mail to: City of Huntsville Engineering Division, P. O. Box 308, Huntsville, AL 35804. The form shall be returned at the time of the signing of the contract by the ENGINEER and must be submitted before the contract is presented to the City of Huntsville City Council for approval.

# 11.14 E-VERIFY - NOTICE

The Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2012-535, Code of Alabama (1975) § 31-13-1 through 31-13-30" (also known as and hereinafter referred to as "the Alabama Immigration Act") is applicable to contracts with the City of Huntsville. As a condition for the award of a contract and as a term and condition of the contract with the City of Huntsville, in accordance with § 31-13-9 (a) of the Alabama Immigration Act, any business entity or employer that employs one or more employees shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien and shall attest to such by sworn affidavit signed before a notary. Such business entity or employer shall provide a copy of such affidavit to the City of Huntsville as part of its bid or proposal for the contract along with a copy of the Memorandum of Understanding as documentation establishing that the business entity or employer is enrolled in the E-Verify program. The required affidavit form for the business entity and for sub-consultants/business entities employed by the contracting business entity are included as Attachment 3 in this contract. The original affidavit for your business entity must be returned to the City of Huntsville, the affidavit for the subcontractors should be kept on file in your office, and be made available to the city if requested.

During the performance of the contract, such business entity or employer shall participate in the E-Verify program and shall verify every employee that is required to be verified according to the applicable federal rules and regulations. The business entity or employer shall assure that these requirements are required of every subcontractor in accordance with §31-13-9(c) and shall maintain records that are available upon request by the City, state authorities or law enforcement to verify compliance with the requirements of the Alabama Immigration Act. Failure to comply with these requirements may result in breach of contract, termination of the contract or subcontract, and possibly suspension or revocation of business licenses and permits in accordance with §31-13-9 (e) (1) & (2) or in the case of a subcontractor, in accordance with §31-13-9 (f) (1) & (2).

# 11.15 ENTIRE AGREEMENT

This Agreement represents the entire agreement between the OWNER and the ENGINEER and supersedes all prior communications, negotiations, representations or agreements, either written or oral. This agreement may be amended only by written instrument signed by both OWNER and ENGINEER.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first above written.

OWNER: CITY OF HUNTSVILLE	ENGINEER: JOHNSON & ASSOCIATES CONSULTING ENGINEERS, L.L.C.
BY: Tommy Battle	BY: Hallon Johnson
TITLE: Mayor	TITLE: Managing Member
ATTEST:	ATTEST: Jan Col
Given under my hand thisday	Given under my hand this <u> </u>
Of,2012.	Of <u>March</u> , 2012.
Notary Public	Notary Public
My commission expires	My commission expires 4/18/8013

# **ATTACHMENT 1-SCOPE OF SERVICES**

(Refer to Letter dated March 19, 2012, from Nathan Johnson to Shane Davis and attachments).



March 19, 2012

Mr. Shane Davis, PE

**Director of Community Development** 

City of Huptsville P. O. Box 308

Huptsville, AL 35804-0308

RE:

Revised Scope of Services for Engineering and Land Surveying Services with respect to the Old Hwy. 20 Phase 1 Widening Improvements Project from 500 feet west of the Proposed Greenbriar Parkway to the Norfolk Southern Railroad (approximately 1.8 miles), Huntsville, Alabama

Project No.

**Attachment 1** 

Dear Mr. Davis:

Johnson & Associates Consulting Engineers, LLC (hereinafter referred to as ENGINEER) is pleased to offer our civil engineering and land surveying services to the City of Huntsville, Alabama (hereinafter referred to as OWNER) with respect to the above-referenced project. Our firm will perform the following:

Engineering and land surveying services with respect to the Old Hwy. 20 Phase 1 Widening Improvements Project from 500 feet west of the Proposed Greenbriar Parkway to the Norfolk Southern Railroad (approximately 1.8 miles), Huntsville, Alabama

All work outlined in the Scope of Services below will be performed on a **lump sum fee of \$295,000** and billed on a monthly basis as the work is performed. Included in the lump sum fee are two subconsultant services (OMI for geotechnical testing and pavement design at \$20,440 and Geographix for aerial topography at \$10,419). Both subconsultant agreements are attached to this proposal.

# **EXCLUSIONS**

The Scope of Services does not include the work associated with the following items:

- Corridor Study or Alternative Analysis
- Archeological, Historical and/or Cultural Resource Studies
- Wetland/Blueline Stream Delineation, Wetland/Blueline Stream Mitigation, USACE permits, etc.
- Threatened and Endangered Species Studies, Ecological Studies, or Air/Noise Analysis
- Geotechnical Hazards/Hazardous Materials Investigation and Remediation
- Environmental Assessment Document, FONSI, or Environmental Impact Statement
- Traffic Counts, Traffic Studies or Signalization Design at any intersections
- Plan Development in accordance with State or Federal guidelines
- Based on our field investigation, there are no Bridge or Culvert Designs anticipated for this phase of
  the project (all drainage structures which are existing will be sized to determine pipe/culvert size and
  will be designed for replacement/extension using standard city or ALDOT drawings and specification,
  i.e. no structural design of any large drainage structures is anticipated for Phase I)
- Gas, Telephone, Fiber Optic or TV Cable Relocation Designs
- Sanitary Sewer or Water Design or Relocation Design
- Street lighting/pedestrian lighting or Electrical Engineering Design or Utility Pole Relocation Design
- Landscaping/Irrigation Design
- Based on our field investigation, there does not appear to be any locations requiring any retaining walls with heights exceeding 4 feet tall. We will include retaining wall designs for all walls 4 feet in height or less. However, retaining walls which exceed 4 feet in height are not included in the basic

services due to the extra design, profiles, geotechnical testing, details, etc.

- Construction Staking, Construction Observations or Construction Administration
- Public Involvement Meetings and/or Design Hearings (although we will assist the city with a Location, Character & Extent meeting)

#### **DETAILED SCOPE OF WORK**

The ENGINEER will perform a limited preliminary design showing the preferred alignment along the entire corridor from the Greenbriar Parkway to County Line Road (a distance of 4 miles) based on the city's recommended typical section and prepare a recommended phasing plan for construction including construction limits, proposed right-of-way limits and preliminary construction cost estimates. We will provide support and x, y, z coordinates for the aerial photagrammetrist for the entire 4 mile corridor (all topographic data for the 4 mile corridor will be provided based on aerial mapping). We will meet with City staff to obtain necessary approval of the preliminary design concept plan. We will perform field surveys. We will prepare contract plans for the Road Widening for Phase 1, including storm sewer design; traffic control; erosion and sediment control (based on one phase only); geotechnical testing and pavement design; attend all meetings with the City and various regulators and utility providers for reviews, coordination and approval of plans. The preferred alignment for Phase 1 is to widen to the north side of the existing roadway and to design a 5-lane road section at a 45 mph design speed with curbs on both sides and a closed storm drainage system designed to a 25-year storm event with a trunk line run down one side of the road, as best possible. (See the attached typical section sketch for anticipated design criteria and design assumptions.) We will coordinate with various utility providers along the corridor and provide a base map to each respective utility such that they can provide a design for the utility relocations. To the best of our ability, we will assist the City with obtaining the Utility Agreements but cannot quarantee the cooperation or completion by all utilities. The ENGINEER will use the English system in performing all work under this agreement. All design work, contract plans and bid documents will be performed at one time for one phase of construction. We anticipate that all work can be completed within 8 months from Notice to Proceed. Assuming a start date of May 1, 2012, we will plan to be ready to conduct the Pre-Bid Meeting by Dec. 31, 2012. This schedule allows for review and comments by the City of 2 weeks each for 0%, 30%, 60% and 90% reviews.

The work to be performed by the ENGINEER will include Plan Assembly and Studies, as follows:

# SECTION 1 - ENVIRONMENTAL/CORRIDOR STUDY (NOT IN CONTRACT)

# SECTION 2 - FIELD SURVEY

# TASK A - MOBILIZATION AND BASIC CONTROL SURVEY

- A-1 The ENGINEER will determine and contact all adjacent property owners either verbally or by letter throughout the length of the phase 1 project prior to beginning any survey work.
- A-2 A basic control survey will be performed by the ENGINEER to locate and identify horizontal and vertical control points, which will provide control in the phase 1 project corridor and will be the basis of subsequent surveys. All surveying and mapping will be performed in accordance with the Standards of Practice for Land Surveying in the State of Alabama and comply with the City of Huntsville accuracy requirements. The basic control survey will be performed to at least horizontal geodetic Third Order, Class II and Vertical geodetic Third Order classification and be tied to State Plane coordinates. The basic control survey is to consist of P.I. to P.I. traverse with the distance and angles measured. The ENGINEER will verify all data supplied by the OWNER or from any other source and will be responsible for accuracy of the work developed from such data. Project benchmarks will be monumented as required at intervals not to exceed 1000 feet along the phase 1 project corridor and will be established to U.S.G.S. datum.

# TASK B. PROJECT ALIGNMENT AND PROFILE

- B-1 The ENGINEER will run closure of the basic control survey to verify that the traverse qualifies for the specified classification accuracy. If the closure specification requirements are not met, sufficient additional surveying will be performed by the ENGINEER to meet specification requirements.
- B-2 The ENGINEER will establish by ground survey the proposed project centerline stationing and run in all curves. Ground profiles for the project centerline will be obtained via aerial topography.
- B-3 Topographic data will be obtained using aerial topography and meet the accuracy standards necessary to provide a 1-foot contour interval data base with points and breaklines. Additional field surveys will be performed to identify and locate, as may be practical, other features such as septic tanks, other underground tanks, and on-site sewerage field lines. The ENGINEER will provide a completed field map for review by the OWNER.

# TASK C. SUPPLEMENTAL CONTROL SURVEYS AND DATA GATHERING

- C-1 Traverses will be run by the ENGINEER on all paved crossroads to a distance of 150 feet each way from the project centerline (with the topographic survey of minor side roads extending along the cross road for a distance of 500 feet and topographic survey of major side roads extending along the cross road for a distance of 1000 feet). All topo obtained by the ENGINEER will be referenced to the traverse baselines.
- C-2 The ENGINEER will obtain stream topo and data (approximately 500 feet upstream and downstream) using aerial topography. (No additional floodplain cross sections will be obtained). Field surveys will be performed to obtain high water elevations, existing culvert and bridge sizes, inverts, sketches, etc. for all structures within the phase 1 corridor.
- C-3 Drainage areas for the phase 1 project will be defined and a schematic drainage area map prepared and furnished to the OWNER.
- C-4 The survey for the DTM will be to a level sufficient to extract cross sections on 50 feet intervals, plot construction limits and determine quantities for the entire 4 mile corridor length and be based on the aerial topography.

# TASK D. UTILITY SURVEYS, DRAINAGE SECTIONS, AND COMPILATION OF DATA

- D-1 The ENGINEER will perform supplemental ground control surveys as necessary to properly identify existing utilities throughout the phase 1 project limits. The following utility items will be obtained and furnished by the ENGINEER to the OWNER based on information obtained from utility companies, surface features, field markings and/or utility maps:
  - 1. Utility ownership and address of owner.
  - Location and elevation of all visible storm drain and sanitary sewer manholes, inlets, and inverts.
     Size and type of material will also be obtained (No ALDOT Form HYD-101 will be completed).
  - 3. Location and elevation of visible evidence of gas, water, steam or other pipelines and utility facilities above and underground including but not limited to valves, hydrants, meters, vents, pump houses, etc. Size and type of valves and pipes will be shown, based on information obtained from utility companies.
  - Location of telephone, electric, fiber optic and cable lines, both aerial and underground, will be obtained.
- D-2 Hydrological Location Surveys will be obtained by the ENGINEER in order to determine drainage areas, floodplains and perform hydrologic and hydraulic calculations in accordance with the City Stormwater Manual.
- D-3 The ENGINEER will tie to the project centerline all available front corners of affected properties as well as any section corners within the project corridor. Fence lines or other evidence of property lines shall also be obtained.
- D-4 Copies of the latest recorded deed for each affected property will be obtained by the ENGINEER from courthouse records. For those properties located in a subdivision, copies of plats will be obtained for all of the platted properties affected. In addition, a copy of the latest county tax map

- and plat will be obtained. Copies of all deeds, plats, and tax maps will be furnished to the OWNER as soon as possible after survey work is begun. The ENGINEER is to plot all properties on the completed right-of-way map from the latest recorded deeds showing station and offset of all property corners obtained and section corner. A property insert drawn to a suitable scale is to be included for properties extending off the field map.
- D-5 P.I.'s, P.C.'s, P.O.T.'s, P.O.C.'s, and any other critical points will be set and referenced by the ENGINEER for the phase 1 project centerline alignment.
- D-6 Survey field notes will be reduced and all calculations performed which are necessary to determine X, Y and Z coordinates of all points. The OWNER will be furnished all original field notebooks, or printouts, used in the surveys. Electronically recorded notes will be submitted on disk as an ASCII listing of point numbers, point codes, X, Y, Z coordinates and descriptors.
- D-7 All survey work performed by the ENGINEER will be reviewed and the work sealed with signature by a registered land surveyor in the State of Alabama on a mylar plot of the accepted field map.

# SECTION 3: PRELIMINARY ROADWAY PLANS, EARLY COORDINATION & SCOPING PHASE

- A-1 Prepare preliminary construction cost estimates for the proposed improvements along the preferred alignment (only one alignment and one typical section will be studied). Prepare Project Design Criteria in cooperation with the City's project engineer. Attend meeting to determine project limits, intersection layout; pavement loading requirements; preferred alignment; restricted areas and maximum limits of construction; develop design criteria; develop 1 typical section; early coordination with utilities on relocations; coordination with other consultants, such as geotechnical engineer.
- A-2 Plot existing horizontal and vertical alignment to determine existing grades, curvature and design speed. The OWNER shall approve the preferred alignment.
- A-3 Prepare concurrence letters to the USFW, SHPO, USACE and ADEM (UST clearance) which will be sent on City letterhead.
- A-4 In conjunction with the OWNER, develop general design criteria for all roadways within the project limits, including tentative typical sections, determine points of access, intersection locations, number of roadway lanes (for main roadways and cross streets), turn lanes, stacking requirements, transition lengths, deceleration/acceleration lanes, paint striping, traffic movements, intersection geometry and striping, etc..
- A-5 The OWNER shall perform traffic counts for the project. The ENGINEER shall perform a capacity analysis of Design Year Traffic and data for the preferred alternate for the main roadway and any other roadway where traffic volumes warrant such analysis. Make recommendations as necessary to insure a satisfactory level of service. Our traffic analysis and traffic modeling will be for the purpose of determining the geometric design of the roads and intersections. No signalization design is anticipated for this phase.
- A-6 Based on project design considerations mutually agreed to between the ENGINEER and the OWNER, the ENGINEER will develop a preferred alignment at a scale of 1"=100' as required to determine feasibility showing edge of pavements, construction limits, break points and nominal right-of-way width. Profiles for the centerline of the project and cross streets will be developed as required to assure workability at suitable scale as approved by the OWNER.
- A-7 Prepare a rough layout of proposed drainage structures and pipes for phase 1 construction.
- A-8 Develop approximate construction limits for the preferred alignment. Develop preliminary cost of construction based on per foot construction costs for typical roadway sections and relocation of major utilities, as applicable for the preferred alternate design.
- A-9 Prepare Documents, Handouts, and Cost Estimates for a meeting with all City staff to finalize the Preferred Alignment. Resolve all comments and make revisions as necessary.

# <u>SECTION 4 – GEOTECHNICAL TESTING AND MATERIALS REPORT</u>

The ENGINEER will subcontract all geotechnical testing and materials report for the roadway and pavement design for the Phase 1 corridor. (No geotechnical services has been included for utility pole

base foundation designs or box culvert, etc.) The scope and fees for all geotechnical services is outlined in OMI's subagreement (attached hereto and made a part hereof).

# **SECTION 5 - CONTRACT PLANS**

The ENGINEER will perform the following as applicable:

- A-1 The development of the plans and the sheets anticipated for this project are outlined in the attached Spreadsheet under Readway Plans. We plan to consolidate much of the information in order to minimize the number of sheets. The storm drainage system will be shown on the plan and profile sheets and the drainage cross sections shown on the road cross section sheets (where possible drainage structures will be placed at the closest 50-foot station, however additional cross sections will be cut at odd stations to show all storm laterals). See attached list of sheets anticipated along with plan scales.
- A-2 The ENGINEER will prepare hydraulic designs and supporting calculations according to the City's Stormwater Manual (design to a 25-year storm event for pipe capacities).
- A-3 The ENGINEER will, without compromising safety, select a hydraulic design that is cost effective. Designs will comply with the requirements of the OWNER.
- A-4 The ENGINEER, in the development of the designs, will conduct investigations to ensure that the geometric design of pavements is such that the drainage capacity of the pavement is not exceeded in such way as to create potentially unsafe water-film depths for hydroplaning to occur. Particular attention will be given to transition sections and sags of all vertical curves.
- A-5 Edge of Pavement Profiles with true elevations will be shown in the plans for all horizontal curve transitions and sag vertical curves where curb and gutter sections and/or a paved island is used.
- A-6 Since there are no blueline streams or floodplains within Phase I, we do not anticipate the need for any Floodplain Studies nor any nationwide or individual U. S. Army Corps of Engineers 404 permit applications. The scope does not include any stream mitigation plan, stream realignment and/or bank stabilization design.
- A-7 Each Project plan assembly, submitted by the ENGINEER for hydraulic review, will contain no less than the minimum amount of hydraulic and hydrologic data necessary to comply with the City's Stormwater Manual.
- A-8 The ENGINEER will prepare topographic quad maps showing drainage outfalls and other pertinent project data as required by ADEM for the application of storm water permit. The ENGINEER will prepare an erosion and sedimentation prevention plan, including devices and/or designs for structural controls that conform to latest ADEM publications of BMP's (Best Management Practices). Any application fees required by ADEM will need to be paid by the Owner as an added fee above and beyond our basic services. The erosion and sediment control plan will only show 1 phase of construction. If multiple phases of erosion control measures are needed, this will require a change order to design the additional phases.
- A-9 Each project Plan Assembly will include title, typical sections, latest drainage design, plan and profile sheets, and all other sheets required for all work including grade, drain, base, pave, signing, and striping. Drainage structure information will be placed on the plans. The plans will show all existing topographical features, natural and man-made, surface and subsurface facilities for the area included in the proposed right-of-way and an area of at least 50 feet in width adjacent to the proposed right-of-way. The contract plans will be completed in detail for all construction in accordance with current design practices of the OWNER. Basic computations will be made for alignment and for layout of intersections.
- A-10 Drainage Section drawings will be provided for all drains, existing and proposed, along the project centerline and within the project work limits. Streambed data acquired from a field survey will be used where applicable to establish and depict the streambed slope, the drain inlet, the drain outlet and the profile configuration of the ditch or channel as it ties-in to the drain.
- A-11 Prepare designs and detailed contract plans at a horizontal scale of 1" = 50' and vertical scale of 1" = 5', completely dimensioned for roadway construction, together with drainage and intersection layouts. Cross sections will be plotted at a horizontal and vertical scale of 1"=10'. The total

- number of sheets outlined in the man-day estimate is given as an approximation of the level of effort required to perform the basic services. If additional sheets are required to perform extra services or special drawings of complicated intersections at larger scales, offsite profiles of drainage structures or offsite easement drawings, then a supplemental agreement will be needed to add the extra sheets.
- A-12 Arrangements will be made by the OWNER with any affected utility owner to prepare plans for any utility relocations. Following the 60% Review, the ENGINEER will provide utility base sheets to the OWNER showing existing utilities for OWNER use and coordination with the utility companies. The finalized utility base sheets will be a part of the respective final plan assemblies.
- A-13 The applicable provisions of the City of Huntsville Standard Specifications and Engineering Standards (and the STATE OF ALABAMA DEPARTMENT OF TRANSPORTATION Standard Specifications for Highway Construction, where appropriate) will apply to all work performed by the ENGINEER under this AGREEMENT. The ENGINEER will prepare supplemental specifications and special provision for approval of the OWNER covering any needed items not covered by the aforementioned documents.
- A-14 Prepare estimates of quantities and construction cost for each set of contract plans, itemized and properly symbolized in accordance with the Standard Specifications above noted, using unit prices as supplied or approved by the OWNER on projects of comparable work in the general area of the project. Upon completion of the plans, copies of the Quantity Computations will be furnished to the OWNER.
- A-15 Preliminary detailed plans and estimates for each construction project shall be submitted to the OWNER before the final tracings are completed. The ENGINEER will prepare a Traffic Control Plan.
- A-16 The ENGINEER will coordinate these plans with existing and proposed plans of the OWNER.
- A-17 The ENGINEER will prepare plans using size and weight of pens and other drafting techniques that will facilitate the development of one half (1/2) scale drawings.
- A-18 Following the 60% Review, the ENGINEER will make appropriate revisions to plans, then submit plans along with the corresponding CADD utility files for use of the OWNER in obtaining utility relocation information.
- A-19 After the 60% Review, the ENGINEER will prepare reproducible right-of-way map showing property ties, restricted areas and ownerships and submit to the OWNER with the latest recorded deeds not previously submitted and preliminary plans showing construction limits for use of the OWNER in acquiring right-of-way along the phase 1 corridor.
- A-20 Submit all necessary materials and attend all plan reviews plus as required by the OWNER in accordance with the Contract. The ENGINEER will prepare and submit all necessary plans, specifications, reports, etc. for 30% completion review, 60% Review and 90% Review.
- A-21 After all plan revisions have been made, the ENGINEER will deliver the final deliverables to the OWNER as defined in the Contract.

# SECTION 6 - BRIDGE PLANS (NOT IN CONTRACT)

# SECTION 7 - RIGHT-OF-WAY MAP, DEEDS AND TRACT SKETCHES

- A-1 The ENGINEER will coordinate with the CITY to insure sufficient information for the preparation of Right-of-Way map and deeds.
- A-2 The ENGINEER will prepare a Right-of-Way map showing the existing and proposed limits for all properties within the phase 1 corridor. Acquisitions are anticipated for north side only for phase 1.
- A-3 The ENGINEER will prepare new deeds for all affected properties and prepare tract sketches of each tract based on Route Survey requirements and in accordance with the Alabama Standards of Practice for Land Surveying in the State of Alabama.
- A-4 Set property corners for all acquired properties and stakes at all easement acquisition locations.

# SECTION 8 - ELECTRICAL ENGINEERING AND STREET LIGHTING DESIGN (NOT IN CONTRACT)

# SECTION 9 - LANDSCAPING AND IRRIGATION DESIGN (NOT IN CONTRACT)

# <u>SECTION 10 – SANITARY SEWER DESIGN AND UTILITY RELOCATION DESIGNS (NOT IN CONTRACT)</u>

# SECTION 11 - PRE-BID ASSISTANCE

A-1 Engineer will provide support during the pre-bid phase of the project in accordance with the Contract Documents. Engineer shall prepare pre-bid agenda, moderate the pre-bid meeting, prepare pre-bid minutes, make clarifications, prepare addendums, and distribute to bidders. Pre-bid assistance is limited to the first bid process (a supplemental agreement will be required to provide assistance for any subsequent bid openings).

In addition to the above explanation of the engineering services, we have attached the City's Excel Spreadsheet outlining the various tasks to be performed with this contract and the subsequent fees for each task. The Engineer shall prepare all plans, specifications, reports, etc. in accordance with the City's standards and guidelines.

Thank you for this opportunity to provide services for the City of Huntsville.

Sincerely,

Johnson & Associates Consulting Engineers, LLC

Nathan G. Johnson, PE, LS

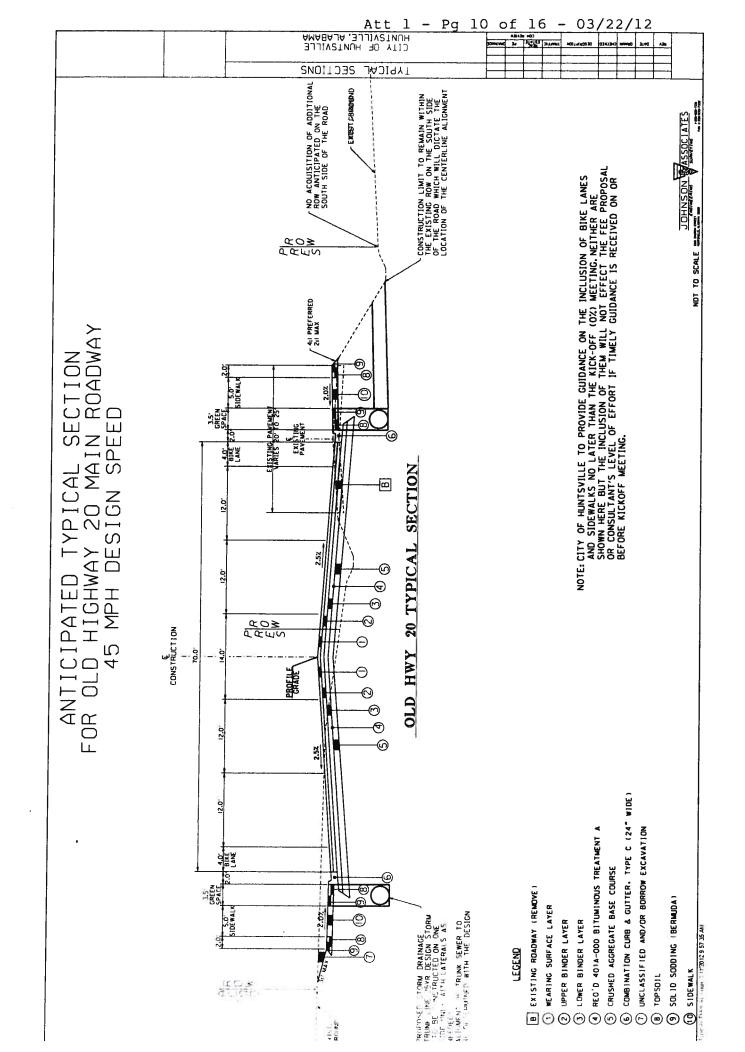
**Managing Member** 

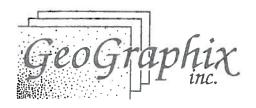
**Attachments** 

# Old Highway 20

Project Length = 1.8 miles = 9504 feet

Sheet	Qty	Comments
Title	1	
Index	1	
Standard Details	6	Includes COH & ALDOT Specs
Plans Legend	2	
Geometric Layout / Control Points	4	Assuming a 1" = 200' scale
Typical Sections / Project Specific Details	6	
Project Notes	1	
Traffic Control Notes	1	
Plan / Profile Sheet	7	1500' per sheet
Utility Sheet	4	Split View @ 3000' / sheet
Paving, Signing & Striping Sheet	4	Split View @ 3000' / sheet
Erosion / Drainage Sheet	4	Split View @ 3000' / sheet
Traffic Control Details	6	Applicable Details Only
Soil Boring Logs	6	Assuming 1 boring / 1000' and 2 per sheet
Cross Sections	28	Assuming 8 sections per sheet
Earthwork Balancing	1	
To	otal 82	





1580 Sparkman Drive, Suite 208 • Huntsville, Alabama 35816 • www.ggxinc.com • (256) 721-0706 • FAX (256) 721-0662

Mr. Tom Cunningham, P.E. Johnson & Associates 1218 Church Street Huntsville, AL 35801

March 20, 2012

RE: Old Hwy 20

Aerial Topographic Mapping

#### Dear Tom:

GeoGraphix, Inc. is pleased to provide a quote for photogrammetric services in response to your request. The estimate was prepared to meet your needs in a timely and economical manner. Our proposed services are as follows:

Scope of Work: GeoGraphix, Inc. will provide you with a ONE FOOT aerial topographic survey of a 400 feet wide corridor along Old Hwy20 from County Line Road, extending 21,100 feet to the west as shown on the supplied sketch. The survey will extend 500 feet up intersecting roads and 1,000 feet along Beaver Dam Creek on either side of the road centerline. A 50 feet grid will be generated at both sides of the roadway.

The project may be split into two phases and the cost proposal takes into consideration this eventuality as per your request.

Aerial Photography: GeoGraphix, Inc. proposes to fly new digital aerial photography at a negative scale of 1"=300' suitable for development of digital topographic maps meeting National Map Accuracy Standards (NMAS) at one foot contour intervals.

Control Survey: GeoGraphix, Inc. has selected about fourty four (44) photo control point locations where horizontal and vertical coordinates will be needed for ground control. This photo control will need to be targeted so that the control locations can be identified on the aerial photographs. Johnson & Associates will be responsible for this phase of the project.

Stereo Compilation and Digital Map Generation: Using analytical and digital stereo instruments, GeoGraphix, Inc. will generate Digital Elevation Model (DEM) data suitable to support the generation of one foot contours meeting NMAS. In addition, all visible and identifiable planimetric features will be collected.

GeoGraphix, Inc. will perform all cartographic CAD editing to produce the final map sheets. During the editing phase GeoGraphix will carefully observe in house QC and QA routines to guarantee the completeness of the collected data, its accuracy and that it meets every requirement

under the specifications. Final delivery will include digital data on CD-ROM or DVD, and a paper check plot to confirm the contents of the CD or DVD.

Fee: GeoGraphix, Inc. proposes to perform these services as follows:

Thank you for the opportunity to submit a proposal on this project. We look forward to working with you. This quote is valid for 90 days from the date of this letter. If this proposal is acceptable, please sign on the line provided and email it to me at sfjorge@ggxinc.com.

Sincerely

Jorge Ferreira, President

GeoGraphix, Inc. 256.721.0706

Approved and agreepted;

Printed Name and Title

Signature/Date

# OMI, Inc.

March 9, 2012

Johnson and Associates 1218-B Church Street NW Huntsville, AL 35801

ATTN:

Mr. Tom Cunningham

SUBJECT:

Proposal for a Subsurface Exploration and Geotechnical Engineering Study

Proposed Old Highway 20 Widening (Phase I)

Huntsville, Limestone County, AL OMI Proposal No. P-3809-B

# Gentlemen:

OMI, Inc., is pleased to present this proposal for a subsurface exploration and engineering study for the referenced project. Preparatory to this proposal, OMI discussed the proposed construction with Messrs. Tom Cunningham, Wade Shadden and Nathan Johnson of Johnson and Associates on several occasions, most recently on March 5, 2012 to discuss a revised scope of work. This revised proposal describes the project information and presents a planned scope of work, fee consideration, and a schedule for performing the work. OMI proposes to perform the geotechnical studies for a 1.5 mile section of the road, Phase I of the proposed project.

# PROJECT INFORMATION

OMI understands that the City of Huntsville plans to design and construct the widening of Old Highway 20. The road widening will begin about one half mile west of Greenbrier Road and extend east about 3.5 miles to County Line Road. Plans are to initially design Phase I of the proposed project, which is the western 1.5 miles. The present concept is to widen the present two lane road to five lanes. The present road includes stretches that are in cut and also have been filled. However, most of the road is within about 5-ft of the original or adjacent ground surface. No signalized intersections are planned and no bridges are in Phase I.

Johnson and Associates OMI Proposal No. P-3809-B March 9, 2012 Page 2

# **SCOPE OF SERVICES**

# Subsurface Exploration

OMI proposes to drill borings 400-ft on center along the new road, both within and outside of the existing road. Generally, borings within the existing roadway will be drilled to 5-ft and those outside of the existing road will be drilled to 10-ft. Standard penetration testing (ASTM D1586-84) will be performed in the soils. Undisturbed samples and bulk samples will be collected where appropriate. No rock coring is anticipated. Appropriate traffic control devices and flagmen will be used when drilling in the existing road.

Laboratory testing will be performed on selected samples. Laboratory tests include natural moisture content tests, Atterberg limits, sieve and hydrometer analysis, standard Proctor compaction tests, and subgrade modulus (MR) tests for strength and subgrade support characteristics on selected soils.

# **Reports**

Upon completion of the field and laboratory testing, a materials report will be prepared for the pavement presenting the findings, conclusions, and recommendations relative to the proposed road. The report will include comparisons of pavement types.

# COST ESTIMATE

OMI, Inc., recommends the following fee based on the outlined scope of work. Actual field conditions may dictate a change in the scope of work and budget; however, the total budget will not be exceeded without prior authorization. This fee assumes landowners have been notified of the proposed studies and are aware drilling may occur in areas adjacent to the existing road.

OMI. Inc.

Johnson and Associates OMI Proposal No. P-3809-B March 9, 2012 Page 3

PHASE I SUBSURFACE STUDIES	
Mobilization of truck-mounted drill rig	\$400.00
Soil test borings – 24 to 10-ft @ \$12.00/ft	\$2,880.00
Soil test borings - 24 to 5-ft @ \$12.00/ft (within roadway)	\$1,440.00
Traffic control – 2 days, 2 men @ \$336/day	\$1,344.00
Traffic control equipment	\$400.00
Laboratory testing (moisture content, Atterberg limits, M <sub>R</sub> , Proctor, Sieve)	\$3,600.00
Project Geologist/Engineer for drill administration, logging and analysis – 4 days @ \$680 per day	\$2,720.00
Geotechnical Engineer for analysis and data evaluation and reporting – 5 days @ \$720 per day	\$3,600.00
Principal Geotechnical Engineer for analysis data evaluation, reporting, and client consultation – 3 days @ \$1,000 per day	\$3,000.00
Clerical – 1 days @ \$336 per day	\$336.00
CAD Operator - 2 days @ \$360 per day	\$720.00
Total	\$20,440.00

#### **SCHEDULE**

OMI can begin work immediately upon authorization. OMI estimates the drilling, field work and laboratory work can be completed in about three to five weeks. Design recommendations can be given two to four weeks later, depending upon information obtained regarding traffic volumes and alternatives requested by the client. OMI will keep you informed during the field and laboratory phases of the work and will provide preliminary recommendations and evaluations of the conditions as work progresses.

John M. Ozier, P. 1

Senior Engineer

Johnson and Associates OMI Proposal No. P-3809-B March 9, 2012 Page 4

## **AUTHORIZATION**

To authorize OMI, Inc., to provide these services, please execute and return the attached Work Authorization Sheet. Please note any special instructions or information such as billing or site access requirements on this Work Authorization Sheet. Also enclosed with this proposal are General Conditions which discuss such items as right-of-entry, insurance, and invoicing. These Conditions are considered an integral part of this proposal.

. . . . .

OMI, Inc., appreciates the opportunity to provide this proposal for services to Johnson & Associates and the City of Huntsville. Please direct any questions regarding this proposal to the undersigned.

Respectfully submitted,

OMI, Inc.

Christopher Jones, E.I.

Staff Engineer

Distribution: 1 Copy to Addressee via Email

Attachments: General Conditions

Work Authorization Sheet

## ATTACHMENT 2 - ALABAMA IMMIGRATION ACT - REPORT OF OWNERSHIP FORM

# CITY OF HUNTSVILLE, ALABAMA REPORT OF OWNERSHIP FORM

A.	General Information.	Please	provide the	following	information:
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Legal name(s): Tokyon & Appociates Consulting Engineers, LLC
Doing business as (if applicable):
City of Huntsville current taxpayer identification number (if available): /5/17/5
(Please note that if this number has been assigned by the City and if you are renewing your business
license, the number should be listed on the renewal form.)

B. Type of Ownership. Please complete the <u>un-shaded</u> portions of the following chart by checking the appropriate box below and entering the appropriate Entity i.D. Number, if applicable:

Type of Ownership (check appropriate box)	Entity I. D. Number <sup>1</sup>	Formation Documents (if required see footnote 2 below) 2	immigration Law Applies	Individuals Who Must Be Verified Under Immigration Law
☐ Individual or Sole Proprietorship	745 7454 7454 7454 7454 7454 7454 7454	अन्तर केंद्रसमें इंबोनंड	Yes	Each individual or sole proprietor
☐ Partnership		See Paragraph C	Yes	Each partner if an individual
☐ Limited Partnership	Number:	Formation Documents (See Paragraph C)	Yes	Each general partner if an individual
☐ Limited Liability Partnership (LLP)	Number:	Formation Documents (See Paragraph C)	No, <u>unless not</u> a Registered LLP	Each partner of a Non- Registered LLP if an Individual
☐ Limited Liability Company (LLC) (Single Member)	Number:	Formation Documents	Yes	Sole member if an individual
KLC (Multi-Member)	Number: 21-186-10-15	Formation Documents	No	3534655456////
☐ Corporation	Number:	Formation Documents	No	196
□ Other, please explain:	Number: (if a filing entity under state law)	To be determined	To be determined	To be determined

C. Immigration Law. Please note that each owner who is an individual, as identified in the last column of the chart above, must provide proof of U.S. Citizenship or lawful alien presence in accordance with Ala. Act 2011-535 by completing the applicable forms, as provided by the City. In the case of a partnership whose partners must be verified, you are requested to please provide a copy of the Partnership Agreement or other appropriate documentation evidencing the names of each individual who is a partner in the partnership, unless such information is available by searching the Alabama Secretary of State's website and an Entity I.D. Number has been provided.

<sup>&</sup>lt;sup>1</sup> Entity I.D. Numbers. If an Entity I.D. Number is required and if the business entity is registered in this state, the number is available through the website of Alabama's Secretary of State at: <a href="www.sos.state.al.us/">www.sos.state.al.us/</a>, under "Government Records". If a foreign entity is not registered in this state please provide the Entity I.D. number (or other similar number by whatever named called) assigned by the state of formation along with the name of the state.

<sup>&</sup>lt;sup>2</sup> Formation Documents. Formation documents, including articles or certificates of incorporation, organization, or other applicable formation documents of the entity, as recorded in the probate records of the applicable county and state of formation, <u>are not required unless:</u> (1) specifically requested by the City, or (2) an Entity I.D. Number is required and one has not been assigned or provided.

## **ATTACHMENT 3 E-VERIFY AFFIDAVIT & MOU**

FORM FOR SECTIONS 9 (a) and (b) BEASON-HAMMON ALABAMA TAXPAYER AND CITIZEN PROTECTION ACT; CODE OF ALABAMA, SECTIONS 31-13-9 (a) and (b)

AFFIDAVIT FOR BUSINESS ENTITY/EMPLOYER /CONTRACTOR

(To be completed as a condition for the award of any contract, grant, or incentive by the State of Alabama, any political subdivision thereof, or any state-funded entity to a business entity or employer that employs one or more employees)

State ofAlabama		
County ofMadison		
Before me, a notary public, personally appeared _Steph being duly sworn, says as follows:	en L. Walker	(print name) who,
As a condition for the award of any contract, grant, or in subdivision thereof, or any state-funded entity to a busin more employees, I hereby attest that in my capacity as_	ness entity or employer that Member	at employs one or(state
position) forJohnson & Associates Consulting Engine	ers, LLC	(state business
entity/employer/contractor name) that said business er employ, hire for employment, or continue to employ an	ntity/employer/contractor unauthorized alien.	shall not knowingly
I further attest that said business entity/employer/contr (ATTACH DOCUMENTATION ESTABLISHING THAT BUSIN	actor is enrolled in the E-V	erify program.
ENROLLED IN THE E-YERIFY PROGRAM) Sign		
Sworn to and subscribed before me this / Hay of		_2 <u>013</u> .
I certify that the affiant is known (or made known) to me	to be the identical party h	ne or she claims to be.
My Commission Expires 4/18/2013	ure and Seal of Notary Pub	ilic





# THE E-VERIFY PROGRAM FOR EMPLOYMENT VERIFICATION MEMORANDUM OF UNDERSTANDING

#### <u>ARTICLE I</u>

#### **PURPOSE AND AUTHORITY**

This Memorandum of Understanding (MOU) sets forth the points of agreement between the Department of Homeland Security (DHS) and Johnson & Associates Consulting Engineers LLC (Employer) regarding the Employer's participation in the Employment Eligibility Verification Program (E-Verify). This MOU explains certain features of the E-Verify program and enumerates specific responsibilities of DHS, the Social Security Administration (SSA), and the Employer. E-Verify is a program that electronically confirms an employee's eligibility to work in the United States after completion of the Employment Eligibility Verification Form (Form I-9). For covered government contractors, E-Verify is used to verify the employment eligibility of all newly hired employees and all existing employees assigned to Federal contracts or to verify the entire workforce if the contractor so chooses.

Authority for the E-Verify program is found in Title IV, Subtitle A, of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), Pub. L. 104-208, 110 Stat. 3009, as amended (8 U.S.C. § 1324a note). Authority for use of the E-Verify program by Federal contractors and subcontractors covered by the terms of Subpart 22.18, "Employment Eligibility Verification", of the Federal Acquisition Regulation (FAR) (hereinafter referred to in this MOU as a "Federal contractor with the FAR E-Verify clause") to verify the employment eligibility of certain employees working on Federal contracts is also found in Subpart 22.18 and in Executive Order 12989, as amended.

#### **ARTICLE II**

#### **FUNCTIONS TO BE PERFORMED**

#### A. RESPONSIBILITIES OF SSA

- 1. SSA agrees to provide the Employer with available information that allows the Employer to confirm the accuracy of Social Security Numbers provided by all employees verified under this MOU and the employment authorization of U.S. citizens.
- 2. SSA agrees to provide to the Employer appropriate assistance with operational problems that may arise during the Employer's participation in the E-Verify program. SSA agrees to provide the Employer with names, titles, addresses, and telephone numbers of SSA representatives to be contacted during the E-Verify process.
- 3. SSA agrees to safeguard the information provided by the Employer through the E-Verify program procedures, and to limit access to such information, as is appropriate by law, to individuals responsible for the verification of Social Security Numbers and for evaluation of the E-Verify program or such other persons or entities who may be authorized by SSA as governed







by the Privacy Act (5 U.S.C. § 552a), the Social Security Act (42 U.S.C. 1306(a)), and SSA regulations (20 CFR Part 401).

- 4. SSA agrees to provide a means of automated verification that is designed (in conjunction with DHS's automated system if necessary) to provide confirmation or tentative nonconfirmation of U.S. citizens' employment eligibility within 3 Federal Government work days of the initial inquiry.
- 5. SSA agrees to provide a means of secondary verification (including updating SSA records as may be necessary) for employees who contest SSA tentative nonconfirmations that is designed to provide final confirmation or nonconfirmation of U.S. citizens' employment eligibility and accuracy of SSA records for both citizens and non-citizens within 10 Federal Government work days of the date of referral to SSA, unless SSA determines that more than 10 days may be necessary. In such cases, SSA will provide additional verification instructions.

#### **B. RESPONSIBILITIES OF DHS**

- 1. After SSA verifies the accuracy of SSA records for employees through E-Verify, DHS agrees to provide the Employer access to selected data from DHS's database to enable the Employer to conduct, to the extent authorized by this MOU:
  - Automated verification checks on employees by electronic means, and
  - Photo verification checks (when available) on employees.
- 2. DHS agrees to provide to the Employer appropriate assistance with operational problems that may arise during the Employer's participation in the E-Verify program. DHS agrees to provide the Employer names, titles, addresses, and telephone numbers of DHS representatives to be contacted during the E-Verify process.
- 3. DHS agrees to make available to the Employer at the E-Verify Web site and on the E-Verify Web browser, instructional materials on E-Verify policies, procedures and requirements for both SSA and DHS, including restrictions on the use of E-Verify. DHS agrees to provide training materials on E-Verify.
- 4. DHS agrees to provide to the Employer a notice, which indicates the Employer's participation in the E-Verify program. DHS also agrees to provide to the Employer anti-discrimination notices issued by the Office of Special Counsel for Immigration-Related Unfair Employment Practices (OSC), Civil Rights Division, U.S. Department of Justice.
- 5. DHS agrees to issue the Employer a user identification number and password that permits the Employer to verify information provided by employees with DHS's database.
- 6. DHS agrees to safeguard the information provided to DHS by the Employer, and to limit access to such information to individuals responsible for the verification of employees' employment eligibility and for evaluation of the E-Verify program, or to such other persons or entities as may be authorized by applicable law. Information will be used only to verify the accuracy of Social Security Numbers and employment eligibility, to enforce the Immigration and







Nationality Act (INA) and Federal criminal laws, and to administer Federal contracting requirements.

- 7. DHS agrees to provide a means of automated verification that is designed (in conjunction with SSA verification procedures) to provide confirmation or tentative nonconfirmation of employees' employment eligibility within 3 Federal Government work days of the initial inquiry.
- 8. DHS agrees to provide a means of secondary verification (including updating DHS records as may be necessary) for employees who contest DHS tentative nonconfirmations and photo non-match tentative nonconfirmations that is designed to provide final confirmation or nonconfirmation of the employees' employment eligibility within 10 Federal Government work days of the date of referral to DHS, unless DHS determines that more than 10 days may be necessary. In such cases, DHS will provide additional verification instructions.

#### C. RESPONSIBILITIES OF THE EMPLOYER

- 1. The Employer agrees to display the notices supplied by DHS in a prominent place that is clearly visible to prospective employees and all employees who are to be verified through the system.
- 2. The Employer agrees to provide to the SSA and DHS the names, titles, addresses, and telephone numbers of the Employer representatives to be contacted regarding E-Verify.
- 3. The Employer agrees to become familiar with and comply with the most recent version of the E-Verify User Manual.
- 4. The Employer agrees that any Employer Representative who will perform employment verification queries will complete the E-Verify Tutorial before that individual initiates any queries.
  - A. The Employer agrees that all Employer representatives will take the refresher tutorials initiated by the E-Verify program as a condition of continued use of E-Verify.
  - B. Failure to complete a refresher tutorial will prevent the Employer from continued use of the program.
- 5. The Employer agrees to comply with current Form I-9 procedures, with two exceptions:
- If an employee presents a "List B" identity document, the Employer agrees to only accept "List B" documents that

contain a photo. (List B documents identified in 8 C.F.R. § 274a.2(b)(1)(B)) can be presented during the Form I-9

process to establish identity.) If an employee objects to the photo requirement for religious reasons, the Employer

should contact E-Verlfy at 888-464-4218.

• If an employee presents a DHS Form I-551 (Permanent Resident Card) or Form I-766 (Employment Authorization Document) to complete the Form I-9, the Employer agrees to make a photocopy of the document and to retain the photocopy with the employee's Form I-9. The photocopy must be of sufficient quality to allow for verification of the photo







and written information. The employer will use the photocopy to verify the photo and to assist DHS with its review of photo non-matches that are contested by employees. Note that employees retain the right to present any List A, or List B and List C, documentation to complete the Form I-9. DHS may in the future designate other documents that activate the photo screening tool.

- 6. The Employer understands that participation in E-Verify does not exempt the Employer from the responsibility to complete, retain, and make available for inspection Forms I-9 that relate to its employees, or from other requirements of applicable regulations or laws, including the obligation to comply with the antidiscrimination requirements of section 274B of the INA with respect to Form I-9 procedures, except for the following modified requirements applicable by reason of the Employer's participation in E-Verify: (1) identity documents must have photos, as described in paragraph 5 above; (2) a rebuttable presumption is established that the Employer has not violated section 274A(a)(1)(A) of the Immigration and Nationality Act (INA) with respect to the hiring of any Individual if it obtains confirmation of the identity and employment eligibility of the individual in good faith compliance with the terms and conditions of E-Verify; (3) the Employer must notify DHS if it continues to employ any employee after receiving a final nonconfirmation, and is subject to a civil money penalty between \$550 and \$1,100 for each fallure to notify DHS of continued employment following a final nonconfirmation; (4) the Employer is subject to a rebuttable presumption that it has knowingly employed an unauthorized alien in violation of section 274A(a)(1)(A) if the Employer continues to employ an employee after receiving a final nonconfirmation; and (5) no person or entity participating in E-Verify is civilly or criminally liable under any law for any action taken in good faith based on information provided through the confirmation system. DHS reserves the right to conduct Form I-9 and E-Verify system compliance inspections during the course of E-Verify, as well as to conduct any other enforcement activity authorized by law.
- 7. The Employer agrees to initiate E-Verify verification procedures for new employees within 3 Employer business days after each employee has been hired (but after the Form I-9 has been completed), and to complete as many (but only as many) steps of the E-Verify process as are necessary according to the E-Verify User Manual, or in the case of Federal contractors with the FAR E-Verify clause, the E-Verify User Manual for Federal Contractors. The Employer is prohibited from initiating verification procedures before the employee has been hired and the Form I-9 completed. If the automated system to be queried is temporarily unavailable, the 3-day time period is extended until it is again operational in order to accommodate the Employer's attempting, in good faith, to make inquiries during the period of unavailability. Employers may initiate verification by notating the Form I-9 in circumstances where the employee has applied for a Social Security Number (SSN) from the SSA and is waiting to receive the SSN, provided that the Employer performs an E-Verify employment verification query using the employee's SSN as soon as the SSN becomes available.
- 8. The Employer agrees not to use E-Verify procedures for pre-employment screening of job applicants, in support of any unlawful employment practice, or for any other use not authorized by this MOU. Employers must use E-Verify for all new employees, unless an Employer is a Federal contractor that qualifies for the exceptions described in Article II.D.1.c. Except as provided in Article II.D, the Employer will not verify selectively and will not verify employees hired before the effective date of this MOU. The Employer understands that if the Employer







uses the E-Verify system for any purpose other than as authorized by this MOU, the Employer may be subject to appropriate legal action and termination of its access to SSA and DHS information pursuant to this MOU.

- 9. The Employer agrees to follow appropriate procedures (see Article III. below) regarding tentative nonconfirmations, including notifying employees in private of the finding and providing them written notice of the findings, providing written referral instructions to employees, allowing employees to contest the finding, and not taking adverse action against employees if they choose to contest the finding. Further, when employees contest a tentative nonconfirmation based upon a photo non-match, the Employer is required to take affirmative steps (see Article III.B. below) to contact DHS with information necessary to resolve the challenge.
- 10. The Employer agrees not to take any adverse action against an employee based upon the employee's perceived employment eligibility status while SSA or DHS is processing the verification request unless the Employer obtains knowledge (as defined in 8 C.F.R. § 274a.1(I)) that the employee is not work authorized. The Employer understands that an initial inability of the SSA or DHS automated verification system to verify work authorization, a tentative nonconfirmation, a case in continuance (indicating the need for additional time for the government to resolve a case), or the finding of a photo non-match, does not establish, and should not be interpreted as evidence, that the employee is not work authorized. In any of the cases listed above, the employee must be provided a full and fair opportunity to contest the finding, and if he or she does so, the employee may not be terminated or suffer any adverse employment consequences based upon the employee's perceived employment eligibility status (including denying, reducing, or extending work hours, delaying or preventing training, requiring an employee to work in poorer conditions, refusing to assign the employee to a Federal contract or other assignment, or otherwise subjecting an employee to any assumption that he or she is unauthorized to work) until and unless secondary verification by SSA or DHS has been completed and a final nonconfirmation has been issued. If the employee does not choose to contest a tentative nonconfirmation or a photo non-match or if a secondary verification is completed and a final nonconfirmation is issued, then the Employer can find the employee is not work authorized and terminate the employee's employment. Employers or employees with questions about a final nonconfirmation may call E-Verify at 1-888-464-4218 or OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).
- 11. The Employer agrees to comply with Title VII of the Civil Rights Act of 1964 and section 274B of the INA, as applicable, by not discriminating unlawfully against any individual in hiring, firing, or recruitment or referral practices because of his or her national origin or, in the case of a protected individual as defined in section 274B(a)(3) of the INA, because of his or her citizenship status. The Employer understands that such illegal practices can include selective verification or use of E-Verify except as provided in part D below, or discharging or refusing to hire employees because they appear or sound "foreign" or have received tentative nonconfirmations. The Employer further understands that any violation of the unfair immigration-related employment practices provisions in section 274B of the INA could subject the Employer to civil penalties, back pay awards, and other sanctions, and violations of Title VII could subject the Employer to back pay awards, compensatory and punitive damages. Violations of either section 274B of the INA or Title VII may also lead to the termination of its participation in E-





Verify. If the Employer has any questions relating to the anti-discrimination provision, it should contact OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

- 12. The Employer agrees to record the case verification number on the employee's Form I-9 or to print the screen containing the case verification number and attach it to the employee's Form I-9.
- 13. The Employer agrees that it will use the information it receives from SSA or DHS pursuant to E-Verify and this MOU only to confirm the employment eligibility of employees as authorized by this MOU. The Employer agrees that it will safeguard this information, and means of access to it (such as PINS and passwords) to ensure that it is not used for any other purpose and as necessary to protect its confidentiality, including ensuring that it is not disseminated to any person other than employees of the Employer who are authorized to perform the Employer's responsibilities under this MOU, except for such dissemination as may be authorized in advance by SSA or DHS for legitimate purposes.
- 14. The Employer acknowledges that the information which it receives from SSA is governed by the Privacy Act (5 U.S.C. § 552a(i)(1) and (3)) and the Social Security Act (42 U.S.C. 1306(a)), and that any person who obtains this information under false pretenses or uses it for any purpose other than as provided for in this MOU may be subject to criminal penalties.
- 15. The Employer agrees to cooperate with DHS and SSA in their compliance monitoring and evaluation of E-Verify, including by permitting DHS and SSA, upon reasonable notice, to review Forms I-9 and other employment records and to interview it and its employees regarding the Employer's use of E-Verify, and to respond in a timely and accurate manner to DHS requests for information relating to their participation in E-Verify.

## D. RESPONSIBILITIES OF FEDERAL CONTRACTORS WITH THE FAR E-VERIFY CLAUSE

- 1. The Employer understands that if it is a subject to the employment verification terms in Subpart 22.18 of the FAR, it must verify the employment eligibility of any existing employee assigned to the contract and all new hires, as discussed in the Supplemental Guide for Federal Contractors. Once an employee has been verified through E-Verify by the Employer, the Employer may not reverify the employee through E-Verify.
- a. Federal contractors with the FAR E-Verify clause agree to become familiar with and comply with the most recent versions of the E-Verify User Manual for Federal Contractors and the E-Verify Supplemental Guide for Federal Contractors.
- b. Federal contractors with the FAR E-Verify clause agree to complete a tutorial for Federal contractors with the FAR E-Verify clause.
- c. Federal contractors with the FAR E-Verify clause not enrolled at the time of contract award: An Employer that is not enrolled in E-Verify at the time of a contract award must enroll as a Federal contractor with the FAR E-Verify clause in E-Verify within 30 calendar days of contract award and, within 90 days of enrollment, begin to use E-Verify to initiate verification of employment eligibility of new hires of the Employer who are working in the United States,







whether or not assigned to the contract. Once the Employer begins verifying new hires, such verification of new hires must be initiated within 3 business days after the date of hire. Once enrolled in E-Verify as a Federal contractor with the FAR E-Verify clause, the Employer must initiate verification of employees assigned to the contract within 90 calendar days from the time of enrollment in the system and after the date and selecting which employees will be verified in E-Verify or within 30 days of an employee's assignment to the contract, whichever date is later.

- d. Employers that are already enrolled in E-Verify at the time of a contract award but are not enrolled in the system as a Federal contractor with the FAR E-Verify clause: Employers enrolled in E-Verify for 90 days or more at the time of a contract award must use E-Verify to Initiate verification of employment eligibility for new hires of the Employer who are working in the United States, whether or not assigned to the contract, within 3 business days after the date of hire. Employers enrolled in E-Verify as other than a Federal contractor with the FAR E-Verify clause, must update E-Verify to indicate that they are a Federal contractor with the FAR E-Verify clause within 30 days after assignment to the contract. If the Employer is enrolled in E-Verify for 90 calendar days or less at the time of contract award, the Employer must, within 90 days of enrollment, begin to use E-Verify to initiate verification of new hires of the contractor who are working in the United States, whether or not assigned to the contract. Such verification of new hires must be initiated within 3 business days after the date of hire. An Employer enrolled as a Federal contractor with the FAR E-Verify clause in E-Verify must initiate verification of each employee assigned to the contract within 90 calendar days after date of contract award or within 30 days after assignment to the contract, whichever is later.
- e. Institutions of higher education, State, local and tribal governments and sureties: Federal contractors with the FAR E-Verify clause that are institutions of higher education (as defined at 20 U.S.C. 1001(a)), State or local governments, governments of Federally recognized Indian tribes, or sureties performing under a takeover agreement entered into with a Federal agency pursuant to a performance bond may choose to only verify new and existing employees assigned to the Federal contract. Such Federal contractors with the FAR E-Verify clause may, however, elect to verify all new hires, and/or all existing employees hired after November 6, 1986. The provisions of Article II.D, paragraphs 1.a and 1.b of this MOU providing timeframes for initiating employment verification of employees assigned to a contract apply to such institutions of higher education, State, local and tribal governments, and sureties.
- f. Verification of all employees: Upon enrollment, Employers who are Federal contractors with the FAR E-Verify clause may elect to verify employment eligibility of all existing employees working in the United States who were hired after November 6, 1986, instead of verifying only new employees and those existing employees assigned to a covered Federal contract. After enrollment, Employers must elect to do so only in the manner designated by DHS and initiate E-Verify verification of all existing employees within 180 days after the election.
- g. Form I-9 procedures for existing employees of Federal contractors with the FAR E-Verify clause: Federal contractors with the FAR E-Verify clause may choose to complete new Forms I-9 for all existing employees other than those that are completely exempt from this process. Federal contractors with the FAR E-Verify clause may also update previously completed Forms I-9 to initiate E-Verify verification of existing employees who are not completely exempt as long as that Form I-9 is complete (including the SSN), complies with







Article II.C.5, the employee's work authorization has not expired, and the Employer has reviewed the information reflected in the Form I-9 either in person or in communications with the employee to ensure that the employee's stated basis in section 1 of the Form I-9 for work authorization has not changed (including, but not limited to, a lawful permanent resident alien having become a naturalized U.S. citizen). If the Employer is unable to determine that the Form I-9 complies with Article II.C.5, if the employee's basis for work authorization as attested in section 1 has expired or changed, or if the Form I-9 contains no SSN or is otherwise incomplete, the Employer shall complete a new I-9 consistent with Article II.C.5, or update the previous I-9 to provide the necessary information. If section 1 of the Form I-9 is otherwise valid and up-todate and the form otherwise complies with Article II.C.5, but reflects documentation (such as a U.S. passport or Form I-551) that expired subsequent to completion of the Form I-9, the Employer shall not require the production of additional documentation, or use the photo screening tool described in Article II.C.5, subject to any additional or superseding instructions that may be provided on this subject in the Supplemental Guide for Federal Contractors. Nothing in this section shall be construed to require a second verification using E-Verify of any assigned employee who has previously been verified as a newly hired employee under this MOU, or to authorize verification of any existing employee by any Employer that is not a Federal contractor with the FAR E-Verify clause.

2. The Employer understands that if it is a Federal contractor with the FAR E-Verify clause, its compliance with this MOU is a performance requirement under the terms of the Federal contract or subcontract, and the Employer consents to the release of information relating to compliance with its verification responsibilities under this MOU to contracting officers or other officials authorized to review the Employer's compliance with Federal contracting requirements.

## **ARTICLE III**

#### REFERRAL OF INDIVIDUALS TO SSA AND DHS

#### A. REFERRAL TO SSA

- 1. If the Employer receives a tentative nonconfirmation issued by SSA, the Employer must print the notice as directed by the E-Verify system and provide it to the employee so that the employee may determine whether he or she will contest the tentative nonconfirmation. The Employer must review the tentative nonconfirmation with the employee in private.
- 2. The Employer will refer employees to SSA field offices only as directed by the automated system based on a tentative nonconfirmation, and only after the Employer records the case verification number, reviews the input to detect any transaction errors, and determines that the employee contests the tentative nonconfirmation. The Employer will transmit the Social Security Number to SSA for verification again if this review indicates a need to do so. The Employer will determine whether the employee contests the tentative nonconfirmation as soon as possible after the Employer receives it.
- 3. If the employee contests an SSA tentative nonconfirmation, the Employer will provide the employee with a system-generated referral letter and instruct the employee to visit an SSA office within 8 Federal Government work days. SSA will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it





determines that more than 10 days is necessary. The Employer agrees to check the E-Verify system regularly for case updates.

4. The Employer agrees not to ask the employee to obtain a printout from the Social Security Number database (the Numident) or other written verification of the Social Security Number from the SSA.

#### **B. REFERRAL TO DHS**

- 1. If the Employer receives a tentative nonconfirmation issued by DHS, the Employer must print the tentative nonconfirmation notice as directed by the E-Verify system and provide it to the employee so that the employee may determine whether he or she will contest the tentative nonconfirmation. The Employer must review the tentative nonconfirmation with the employee in private.
- 2. If the Employer finds a photo non-match for an employee who provides a document for which the automated system has transmitted a photo, the employer must print the photo non-match tentative nonconfirmation notice as directed by the automated system and provide it to the employee so that the employee may determine whether he or she will contest the finding. The Employer must review the tentative nonconfirmation with the employee in private.
- 3. The Employer agrees to refer individuals to DHS only when the employee chooses to contest a tentative nonconfirmation received from DHS automated verification process or when the Employer issues a tentative nonconfirmation based upon a photo non-match. The Employer will determine whether the employee contests the tentative nonconfirmation as soon as possible after the Employer receives It.
- 4. If the employee contests a tentative nonconfirmation issued by DHS, the Employer will provide the employee with a referral letter and instruct the employee to contact DHS through its toll-free hotline (as found on the referral letter) within 8 Federal Government work days.
- 5. If the employee contests a tentative nonconfirmation based upon a photo non-match, the Employer will provide the employee with a referral letter to DHS. DHS will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary. The Employer agrees to check the E-Verify system regularly for case updates.
- 6. The Employer agrees that if an employee contests a tentative nonconfirmation based upon a photo non-match, the Employer will send a copy of the employee's Form I-551 or Form I-766 to DHS for review by:
  - Scanning and uploading the document, or
  - Sending a photocopy of the document by an express mail account (paid for at employer expense).
- 7. If the Employer determines that there is a photo non-match when comparing the photocopied List B document described in Article II.C.5 with the image generated in E-Verify, the Employer must forward the employee's documentation to DHS using one of the means described in the preceding paragraph, and allow DHS to resolve the case.







#### **ARTICLE IV**

#### **SERVICE PROVISIONS**

SSA and DHS will not charge the Employer for verification services performed under this MOU. The Employer is responsible for providing equipment needed to make inquiries. To access E-Verify, an Employer will need a personal computer with Internet access.

#### ARTICLE V

#### **PARTIES**

A. This MOU is effective upon the signature of all parties, and shall continue in effect for as long as the SSA and DHS conduct the E-Verify program unless modified in writing by the mutual consent of all parties, or terminated by any party upon 30 days prior written notice to the others. Any and all system enhancements to the E-Verify program by DHS or SSA, including but not limited to the E-Verify checking against additional data sources and instituting new verification procedures, will be covered under this MOU and will not cause the need for a supplemental MOU that outlines these changes. DHS agrees to train employers on all changes made to E-Verify through the use of mandatory refresher tutorials and updates to the E-Verify User Manual, the E-Verify User Manual for Federal Contractors or the E-Verify Supplemental Guide for Federal Contractors. Even without changes to E-Verify, DHS reserves the right to require employers to take mandatory refresher tutorials. An Employer that is a Federal contractor with the FAR E-Verify clause may terminate this MOU when the Federal contract that requires its participation in E-Verify is terminated or completed. In such a circumstance, the Federal contractor with the FAR E-Verify clause must provide written notice to DHS. If an Employer that is a Federal contractor with the FAR E-Verify clause fails to provide such notice, that Employer will remain a participant in the E-Verify program, will remain bound by the terms of this MOU that apply to participants that are not Federal contractors with the FAR E-Verify clause, and will be required to use the E-Verify procedures to verify the employment eligibility of all newly hired employees.

- B. Notwithstanding Article V, part A of this MOU, DHS may terminate this MOU if deemed necessary because of the requirements of law or policy, or upon a determination by SSA or DHS that there has been a breach of system integrity or security by the Employer, or a failure on the part of the Employer to comply with established procedures or legal requirements. The Employer understands that if it is a Federal contractor with the FAR E-Verify clause, termination of this MOU by any party for any reason may negatively affect its performance of its contractual responsibilities.
- C. Some or all SSA and DHS responsibilities under this MOU may be performed by contractor(s), and SSA and DHS may adjust verification responsibilities between each other as they may determine necessary. By separate agreement with DHS, SSA has agreed to perform its responsibilities as described in this MOU.







- D. Nothing in this MOU is intended, or should be construed, to create any right or benefit, substantive or procedural, enforceable at law by any third party against the United States, its agencies, officers, or employees, or against the Employer, its agents, officers, or employees.
- E. Each party shall be solely responsible for defending any claim or action against it arising out of or related to E-Verify or this MOU, whether civil or criminal, and for any liability wherefrom, including (but not limited to) any dispute between the Employer and any other person or entity regarding the applicability of Section 403(d) of IIRIRA to any action taken or allegedly taken by the Employer.
- F. The Employer understands that the fact of its participation in E-Verify is not confidential information and may be disclosed as authorized or required by law and DHS or SSA policy, including but not limited to, Congressional oversight, E-Verify publicity and media inquiries, determinations of compliance with Federal contractual requirements, and responses to inquiries under the Freedom of Information Act (FOIA).
- G. The foregoing constitutes the full agreement on this subject between DHS and the Employer.
- H. The individuals whose signatures appear below represent that they are authorized to enter into this MOU on behalf of the Employer and DHS respectively.





To be accepted as a participant in E-Verify, you should only sign the Employer's Section of the signature page. If you have any questions, contact E-Verify at 888-464-4218.

Employer Johnson & Associates Consulting En	ngineers LLC
Nathan Johnson Name (Please Type or Print)	Title
Electronically Signed Signature	09/03/2010 Date
Department of Homeland Security – Verification D	Pivision
Name (Please Type or Print)	Title
Signature	Date
Information Required	for the E-Verify Program
Information relating to your Company:	
Company Name: Johnson & Associa	ites Consulting Engineers LLC
Company Facility Address: 1218 Church Street	governo o o same os manes see ence
Huntsville, AL 3580	1
Company Alternate Address:	
a e e e e e	
County or Parish: MADISON	THE STATE OF THE S
Employer Identification Number: 271364583	





and a special section is a special section of the special section of	North American Industry Classification Systems Code:	541
	Parent Company:	
	Number of Employees:	5 to 9
	Number of Sites Verified for:	
	you verifying for more t ich State:	han 1 site? If yes, please provide the number of sites verified for
1	ALABAMA	l site(s)

Information relating to the Program Administrator(s) for your Company on policy questions or operational problems:

 Name:
 Nathan G Johnson

 Telephone Number:
 (256) 533 - 7331 ext. 118
 Fax Number:
 (256) 533 - 7332

E-mail Address: njohnson@jaengineering.com

Telephone Number: (256) 533 - 7331 ext. 111 Fax Number: (256) 533 - 7332 E-mail Address: jbales@jaeugineering.com

# ATTACHMENT 4 CITY OF HUNTSVILLE STANDARDS AND DESIGN GUIDES

- 1. City of Huntsville Standard Specifications for Construction of Public Improvements. Contract Projects, 1991.
- 2. City of Huntsville Engineering Standards, 1991.
- 3. City of Huntsville Design and Acceptance Manual for Force Mains and Pump Stations, 2011.
- 4. City of Huntsville Design and Acceptance Manual for Sanitary Sewers, 2011.
- 5. Alabama Department of Transportation Standard Specifications for Highway Construction, Current Edition.
- 6. City of Huntsville Subdivision Regulations, 1991.

# ATTACHMENT 5 DESIGN REVIEWS

## <u>0% COMPLETE – PRE-DESIGN CONFERENCE</u>

The ENGINEER shall meet with the OWNER at a 0% complete - Pre-Design Conference. The OWNER's representative (Project Engineer) will be introduced.

#### **CONFERENCE FORMAT**

The pre-design meeting will we initiated by the OWNER. The purpose of the conference will be to give the ENGINEER an opportunity to discuss the design of the PROJECT, to visit the PROJECT site, to receive copies of OWNER -furnished documents, if applicable, and to meet the OWNER'S Project Engineer and other personnel working on the PROJECT.

#### **ATTENDEES**: (Required)

- ENGINEER
- ALDOT (as appropriate for the type of project)
- Real Estate

- Landscape Management
- Utilities
- Traffic Engineering
- Planning

#### **DISCUSSION TOPICS:**

- Authority of OWNERS representative (Written submittal made to the ENGINEER)
- Scope of Work
- Time Requirements
- Budget Restraints
- Testing Requirements
- Permit Responsibilities
- Design criteria
- LC&E requirements
- Plan Requirements
- Special Conditions
- Utility Project
   Notification and a list of all utilities that need to be contacted.

• Tree Ordinance

- 1. A Certificate of Insurance for the ENGINEER and the ENGINEER's subconsultants shall be submitted to the OWNER's PROJECT ENGINEER per Section 10.6.
- 2. Prior to the Pre-Design Conference, a completed draft design criteria document shall be prepared to the best of the ENGINEER'S ability and in conformance with his fee proposal and will serve as the basis of a discussion topic during the Pre-Design Conference. A final version of the design criteria based upon discussion during the meeting shall be prepared by the ENGINEER and distributed with the meeting minutes. A copy of a design criteria format may be found on the City of Huntsville web site at http://www.huntsvilleal.gov/engineering/index.php.
- 3. Within seven (7) calendar days of the 0% Complete Pre-Design Conference, the ENGINEER shall submit to the OWNER's Project Engineer two color copies and an electronic copy of a schedule in Microsoft Projects format showing the critical path and indicating the time frame for the required milestone events and submittals outlined in this document. The schedule shall support a PROJECT completion date in accordance with the Period Of Services in Article 5. When approved, a baseline of the schedule shall be saved from which variances in the schedule can be measured and evaluated.

# ATTACHMENT 5 DESIGN REVIEWS

#### 30% COMPLETE - CONCEPTUAL DESIGN

This design review is to show the OWNER how the functional and technical requirements will be met, to indicate the ENGINEER's approach to the solution of technical problems, to show compliance with design criteria or to justify noncompliance and to provide an estimate of probable cost. A field review shall be conducted at this juncture with the OWNER's staff and the ENGINEER to review the proposed field alignment of the PROJECT.

#### **CONFERENCE FORMAT**

**ATTENDEES**: (Required)

- Real Estate
- Landscape Management
- Utilities
- Traffic Engineering
- Planning
- City of Huntsville Construction Project Manager
- City of Huntsville Inspector
- City of Huntsville Environmental Representative

#### **DISCUSSION TOPICS:**

- ENGINEER presents recommended design/solutions along with other options and alternatives considered.
- ENGINEER presents updates on progress of permitting requirements
- ENGINEER presents progress on coordination with other project participants such as the State of Alabama, sub consultants, etc.
- ENGINEER presents budgetary constraints

- 1. A preliminary list of all permits to be obtained with associated fees.
- 2. An updated schedule in Microsoft Projects format showing the critical path shall be submitted.
- 3. Two color copies and an electronic copy of an updated schedule in Microsoft Projects format showing the critical path shall be submitted.

# ATTACHMENT 5 DESIGN REVIEWS

#### 60% COMPLETE - PRELIMINARY DESIGN CRITERIA

The review of the PROJECT at this point is primarily to insure that funding limitations are not being exceeded and to insure that the contract documents, design analysis and cost estimates are proceeding in a timely manner, and that the design criteria and previous review comments are being correctly interpreted. An additional review may be required by the OWNER to review changes proposed from previous submittals.

## **CONFERENCE FORMAT**

**ATTENDEES**: (Required)

- Real Estate
- Landscape Management
- Utilities
- Traffic Engineering
- Planning
- City of Huntsville Construction Project Manager
- City of Huntsville Inspector
- City of Huntsville Environmental Representative

#### **DISCUSSION TOPICS:**

- Additional land acquisition needs, as required.
- Utility Project Notification and a list of all utilities that need to be contacted.
- Technical specifications for special construction items not covered under standard specifications or deviations from standard specifications.
- Update on progress of permitting requirements.
- Erosion control plan requirements, if required by the OWNER.
- Budget constraints.
- Progress on coordination with other project participants such as the City of Huntsville Real Estate
   Officers (Engineering Department), State of Alabama, sub consultants, etc.

- One full size print copy and one ½ size print copy of all drawings that have incorporated previous comments shall be submitted. Plan/Profile drawings shall be 75% complete. Right-of way drawings shall be 100% complete at this submittal (reference Real Estate Division Plan Requirements Section entitled DRAWINGS, included at the end of this proposal)
- 2. An update to the schedule in Microsoft Projects format showing the critical path shall be submitted.
- Unless determined to be inapplicable by the OWNER, Hydraulic reports 75% complete, shall be submitted.
- 4. Three (3) copies of preliminary plans for utilities shall be submitted.
- 5. Legal descriptions for takings shall be submitted. The information shall be 100% complete. (reference Real Estate Division Plan Requirements Section entitled DESCRIPTIONS, included at the end of this proposal)
- 6. Traffic Control Plan, if required. Plan shall be 60% complete at this submittal.
- 7. Detailed preliminary construction cost estimate shall be submitted.
- 8. Results of geotechnical investigations shall be submitted.
- 9. A list of comments made at the 30% review and a summary of each resolution.
- 10. Two color copies and an electronic copy of an update to the schedule in Microsoft Projects format showing the critical path shall be submitted.

# ATTACHMENT 5 DESIGN REVIEWS

#### 90% COMPLETE - FINAL REVIEW

The review of this submittal is to ensure that the design is in accordance with directions provided the ENGINEER during the design process.

#### **CONFERENCE FORMAT**

#### **DISCUSSION TOPICS**

Discussion topics will be handled open forum.

- 1. One full size print copy and one ½ size print copy of all drawings that have incorporated previous comments shall be submitted. Submittals include Plan/Profile drawings, Construction Details, Detailed cross-sections with cut and fill quantities and storm and sanitary sewer crossings, Erosion control plan, if required, Technical specifications, Right-of way drawings, Traffic Control Plan, Plans for Utilities, Signed Acceptance of Utility Project Notification Form by all affected parties, Design Calculations, and a final cost estimate. All submittals shall be 100% complete.
- 2. Any changes to Land Acquisition needs shall be identified and Legal descriptions for the changes shall be submitted.
- 3. A list of comments made at the 60% review and a summary of each resolution.
- 4. Calculations showing how quantities were determined for each bid item and how the item is to be measured in the field and paid. Three bound copies of corrected quantity calculations to match bid quantities. The following shall be required for each item:
  - Item Number
  - Item Description with standard specification used
  - Detailed calculation to include all measurements, conversion factors, and "standard" weights used
  - Final "calculated" amount and any "increased" amounts
  - Notes to include any deviation from referenced standard specifications

## <u>ATTACHMENT 5</u> DESIGN REVIEWS

#### 100% COMPLETE - READY TO ADVERTISE

After the 90% review, the ENGINEER shall revise the construction documents by incorporating any comments generated during the previous design reviews. The ENGINEER shall prepare final hard copy contract specifications, prepare a bid form, and update the cost estimate as necessary.

#### **CONFERENCE FORMAT**

YES

NO

This is a submittal only. Return this sheet with submittal

	1,	Two (2) sets of complete construction drawing prints sized 24" x 36" sealed and marked "ISSUED FOR CONSTRUCTION". Drawings information shall be referenced to Alabama State Plane Coordinate system, NAD1983 Alabama East Zone as described in the Code of Alabama (1975), Section 35-2-1. Surveys shall be tied to a minimum of two accepted GPS monuments or one GPS tie point plus an astronomic observation to determine grid north or GPS Survey.
	2.	One (1) Micro station digital and One (1) digital file in either .tiff or .pdf format of construction drawings (must be signed and sealed) – sized 11" x 17".
	3.	Two (2) sets of right-of-way drawing prints sized 24" x 36" sealed and marked "ISSUED FOR CONSTRUCTION". Drawings information shall be referenced to Alabama State Plane Coordinate system. NAD1983 Alabama East Zone
	4.	One (1) Micro station digital file of right-of-way drawings.
	5.	Two (2) print sets of 8-1/2" x 11" legal descriptions for right-of-way (REVISED SETS ONLY)
	6.	One (1) digital text file of legal descriptions for right-of-way (REVISED FILE ONLY)
	7.	One (1) print copy of Final Construction Cost Estimate.
	8.	One (1) digital spread sheet file of Final Construction Cost Estimate.
	9.	Three (3) printed and bound copies of corrected quantity calculations to match Final Bid Quantities.
	10.	One (1) digital spread sheet file (Excel 2003 format) of Final Bid Quantities.
	11.	Two (2) print sets of contract specifications.
	12.	One (1) digital text file of contract specifications.
	13.	One (1) complete set of signed and sealed calculations.
	14.	One (1) complete set of all approved permits including Location, Character, and Extent, COE, ADEM, etc.
	15.	One (1) complete set of all field notes.
	16.	One (1) copy of digital aerial photography obtained for this PROJECT in (.tif) format, as necessary.
	17.	Utility Project Notification forms and a list of all utilities that need to be contacted.
		Engineer

# ATTACHMENT 6 - ENGINEERS PERSONNEL FEE SCHEDULE STANDARD SCHEDULE OF HOURLY FEES

Johnson and Associates, Inc. Effective Date: January 1, 2012

	PERSONNEL DESCRIPTION	HOURLY AMOUN (\$ Range)
Surveying & Engir	neering:	(\psi riange)
Surveyor I	Survey Technician (Rodman & Instrumentman)	\$40 to \$55
Surveyor li	Survey CAD Technician	\$65
Surveyor III	Junior Party Chief	\$65
Surveyor IV	Senior Survey CAD Technician	\$75
Surveyor V	Senior Party Chief	\$85
Surveyor VI	Senior Project Surveyor	\$105
Surveyor VII	Survey Manager	\$125
Surveyor VIII	Principal Surveyor	\$140
Engineer I	Entry-Level Engineering Intern	\$55
Engineer II	Junior Engineering Intern	\$65
Engineer III	Junior Project Engineer	\$75
Engineer IV	Project Engineer	\$85
Engineer V	Project Design Engineer	\$95
Engineer VI	Senior Project Engineer	\$115
Engineer VII	Senior Managing Engineer/Project Manager	\$125
Engineer VIII	Principal Engineer	\$140
echnical & Inspec	etion:	
Technician I	Engineering CAD Technician Intern	\$45
Technician II	Junior Engineering CAD Technician	\$55
Technician III	Engineering CAD Technician	\$65
Technician IV	Engineering CAD Technician	\$75
Technician V	Senior Engineering CAD Technician	\$85
Inspector I	Junior Construction Inspector	\$70
Inspector II	Senior Construction Inspector, QCP	\$105
dministrative / Se	cretarial	\$45
urvey Crew:		
Two-Man Surve		\$125
Three-Man Surv		\$160
Four-Man Surve	y Crew	\$195
ubcontract Servic	es	Cost Plus 5%
irect Expenses		Cost Plus 59

# ATTACHMENT 7 - PROGRESS REPORT (Article 8)

PROGRESS REPORT NO.	FOR MONTH AND YEAR	
PROJECT		PROJECT NO.
DATE CITY'S PROJECT	CT ENGINEER	
CONSULTANT	CONSULTANT'S PRO	DJ. MAN
CURRENT MONTH % COMPLETE: _ ATTACH A "SHOULD HAVE STARTED MICROSOFT PROJECTS THAT LISTS	TASKS REPORT" AND A	"SLIPPING TASKS REPORT" FROM
ATTACH A "TASKS STARTING SOON THIRTY (30) DAYS AFTER THE DATE STATE WHAT ACTION IS BEING TAK	OF THIS PROGRESS RE	
MILESTONE SUBMITTALS 30% 60% 90% 100% "FINAL" INVOICE SUBMITTED SUBCONSULTANTS PAID IN FULL CONTRACTED COMPLETION DATE:	SCHEDULED DATE  December 31, 2012	ACTUAL DATE
	ogress report. The scheduer. Changes to the schedu	he project (Attachment 5) with the Project led contract completion date shall not be led milestone submittal dates shall be S Project Engineer.)
UPDATED SCHEDULE ATTACHED? _ *If yes, send an electronic copy to the Pi		
COMMENTS:		
7 45		
This progress report (4 copies) shall be without a contract modification.	submitted monthly. Sched	uled completion dates will not be extended
CERTIFICATION: I certify that the state	d information is true and ad	ccurate to the best of my knowledge.
CONSULTANT DATE	CITY PPO IEC	T ENGINEER DATE

# ATTACHMENT 8 - SUB CONSULTANTS ENGAGED BY THE ENGINEER (Article 9.2)

CONSULTANT NAME AND ADDRESS	DESCRIPTION OF SERVICES	FEE	
GeoGraphix, Inc. 1580 Sparkman Drive Suite 208 Huntsville, AL 35816	Photogrammetric Services	\$9,898.05	
OMI, Inc.	Subsurface Exploration and Engineering Study		
	SUB-TOTAL	\$29,316.05	
	5% Administrative Fee	\$1,542.95	
	TOTAL	\$30,859.00	

# **ATTACHMENT 9 - CONTRACT DOCUMENT REQUIREMENTS LIST**

REQUIREMENT	SUBMIT TO	SUBMITTAL REQUIREMENT DATE	NUMBER OF COPIES	REFERENCE SECTION OF CONTRACT AND COMMENTS
Deviations from OWNER's standards.	OWNER	Prior to incorporating deviations.	2	Article 2.5
Products or materials specified by the ENGINEER that are available from only one source.	OWNER	Prior to 100% submittal.	2	Article 2.2
Approval of ENGINEER's Request for Payment.	OWNER	Within ten (10) days of receipt of the request from the ENGINEER.	N/A	Article 3.4
Approval of ENGINEER submittals	OWNER	So as to cause no delay to the ENGINEER or the PROJECT.	N/A	Article 3.8
Change order changes that reduce construction requirements.	OWNER	Prior to authorizing a change.	N/A	Article 3.11
Any information pertaining to any claim.	OWNER	Immediately	2	Article 3.12
Information pertinent to the PROJECT, all criteria and full information as to OWNER's requirements, copies of all design and construction standards.	ENGINEER	So as to not delay the services of the ENGINEER.	2	Article 5.1, 5.2
Notification of delays.	ENGINEER; OWNER	Promptly	4	Article 6.1
ENGINEER's monthly invoices.	OWNER	Monthly	4	Article 8.1.1
Consultant progress report.	OWNER	Monthly	4	Article 8.1.1
Records, data, parameters, design calculations and other information.	OWNER	Cancellation of contract.	2	Article 9.7
Documentation, records of reimbursable expenses, record copies of all written communications, and any memoranda of verbal communications related to the PROJECT.	OWNER	Upon notice from the OWNER.	2	Article 9.4
Termination notification.	OWNER or ENGINEER	7 days prior to termination.	2	Article 9.10 & 9.11
Certificate of Insurance for ENGINEER.	OWNER	At 0% design conference	1	Article 10.2(B), 10.6, and Attachment 5.

	<b>+</b>			1
Insurance cancellation, suspension,	OWNER	30 days prior to effective date	1	Article 10.4(A)
or reduction in coverage or limits.		except for cancellation which		
		is 10 days notification.		
Certificate of insurance for sub	OWNER	At 0% design conference.	1	Article 10.7
consultants/subcontractors.				
A schodule in Missessoft Desirate	Duniont	Wishin 7 colondar days of	1 hands 1 distant	Attachment 5
A schedule in Microsoft Projects	Project	Within 7 calendar days of	l hard; l digital	Attachment 5
format showing the critical path.	Engineer	Pre-design conference, 30%		
		complete design review. 60%		
		design review. Attachment 7		
Drawings.	Project	30% complete design review,	3	Attachment 5
	Engineer	60% design review, 90%		
	_	review, and 100% complete.		
Cost estimate.	Project	30% complete design review,	3	Attachment 5
	Engineer	60% review, 90% review,	_	
	2 ingiliooi	and 100% complete.		
Hydraulic reports.	Project	60% design review.	2	Attachment 5
Hydraulic reports.	_	60% design review.	2	Attachment 5
D 11 1 6 (11)	Engineer	600 4		Association
Preliminary plans for utilities.	Project	60% design review.	3	Attachment 5
	Engineer			
Real Estate Deliverables	Project	60% design review, 90%	Reference Real	Attachment 5, 15
	Engineer	review, 100% complete.	<b>Estate Division</b>	Real Estate Plan
			Plan	Requirements at
			Requirements	end of this
		1	•	proposal
				document
Traffic Control plan.	Project	60% design review.	N/A	Attachment 5
Trame Condor plan.	Engineer	00% design review.	14/21	/ Attachment 5
Results of geotechnical	Project	30% design review.	2	Attachment 5
		30% design review.	2	Attachment 3
investigations.	Engineer	1000	37/4	A., 1 . 5
Technical specifications.	Project	90% review, 100% complete.	N/A	Attachment 5
	Engineer			
Relocation of Utilities	Project	0% review – list of all	2	Attachment 5, 11
	Engineer	utilities that need to be		
		contacted		į
		60% review – from all		
		affected parties		
		90% review – Signed		
		Acceptance Utility Project		
		Notification Form		
Design Calculations	Project	90% review, 100% complete	1	Attachment 5
Design Calculations	Engineer	70 % Teview, 100 % complete	1	1 Macinicit J
Digital come of description	<del></del>	1000/ 20 mmlate 1 != 1	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Attachmant 5
Digital copy of drawings.	Project	100% complete – 1 in .dgn	2	Attachment 5
	Engineer	format; 1 in .tiff or .pdf		
		format	ve	
Digital text files.	Project	100% complete.	1	Attachment 5
	Engineer			
Bid Quantities.	Project	100% complete. Digital in	3	Attachment 5
-	Engineer	Excel 2003 format and hard		
		сору		
Permits and Permit Applications	Project	100% complete.	1	Attachment 5
connes and remain Applications	Engineer	100% complete.	1	Allaciniiciit 3
	i chymeer			
D'-11	<del></del>	1 10000 - 1 1		
Field notes.	Project	100% complete.	1	Attachment 5
Field notes.	Project Engineer	•	1	
Field notes.  Digital aerial photography.	Project	100% complete.	1	Attachment 5 Attachment 5

# Att 9 - Pg 3 of 3 - 03/22/12

Progress Report	Project	30% complete design review,	4 hard; 1 digital	Attachment 5
(Art. 8)	Engineer	60% design review, 90% design review,	monthly	
		100% completion stage.		

#### **ATTACHMENT 10 - REQUIREMENTS FOR DOCUMENT SUBMITTALS**

All drawings shall be sized 24" x 36", unless otherwise approved by the OWNERS Project Engineer.

Title blocks shall as a minimum, contain the name of the project, date, city project number, and ENGINEER's name. The title block of drawings shall contain a space for the names of the preparer and the reviewer and/or checker. These blocks shall be signed on each submittal (See Attachment "12" for sample standard drawing format). Drawings shall contain alphanumeric revision designations. Drawings issued for review shall be issued with alpha revision designation and the revision letter shall be changed for each submittal containing drawing changes. Drawings issued for construction shall be issued with numeric designation at revision level "0" and described as "Issued for Construction" in the revision description block. Subsequent drawing changes require the revision level to be raised using successively higher numbers and the changes to be marked by circling and briefly described in a revision block.

Unless otherwise specified by the Owners Project Engineer, all drawings for review submittals shall be full or half-size copies. All documents shall be clearly marked in a revision block indicating the applicable submittal milestone, i.e. 30%, 60%, 90%, etc.

Submittals required by the State of Alabama for their review, bidding, etc., shall be of the size, form and numbers of copies as the state may require even though such submittals may differ from the submittals set forth as being required elsewhere in this Agreement.

All drawings shall be prepared in Micro station .DGN format, unless otherwise approved by the OWNERS Project Engineer. Transmittal letters shall consist of a list of files being submitted, a description of the data in each file, and a level/layer schematic of each design file. DGN design files shall have working units as follows: master units in feet, no sub-units, and 1,000 positional units. All data submitted shall use NAD 1983 Alabama East Zone horizontal datum and NAVD 88 vertical datum coordinates.

Digital files shall be submitted by 4-3/4" CD ROM, DVD, 3 and 1/2 inch floppy disk, or to the City of Huntsville F.T.P. site.

All print copies shall be first generation copies.

All text documents shall be prepared in Microsoft Word 2007 format.

All spreadsheets shall be in Microsoft Excel 2007 format.

A schedule showing the critical paths shall be in Microsoft Projects format, unless otherwise approved by the OWNERS Project Engineer.

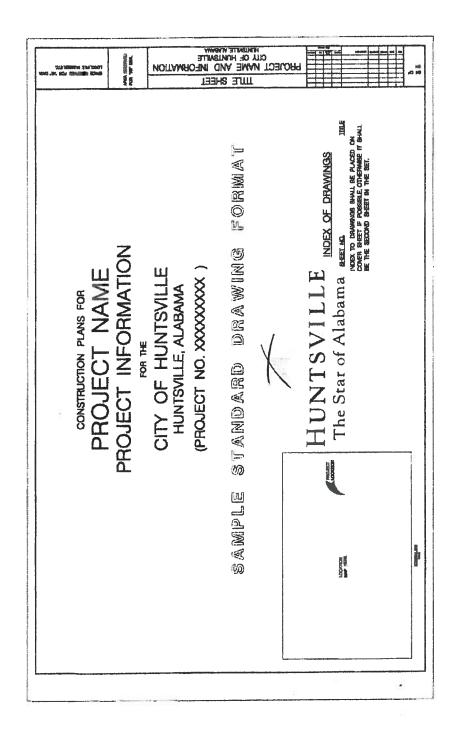
Aerial photography files shall be in Intergraph (.COT) or (.tiff) format.

All mapping shall meet National Map Accuracy Standards unless otherwise noted. If National Map Accuracy Standards are not met, the accuracy of the map shall be identified to the Owners Project Engineer and on the maps derived from the aerial survey. National Map Accuracy Standards are shown below. This and other map standards are shown in Department of the Army, US Army Corps of Engineers standard, "EM 1110-1-1000, Engineering and Design - Photogrammetric Mapping". <a href="http://140.194.76.129/publications/eng-manuals/em1110-1-1000/toc.htm">http://140.194.76.129/publications/eng-manuals/em1110-1-1000/toc.htm</a>

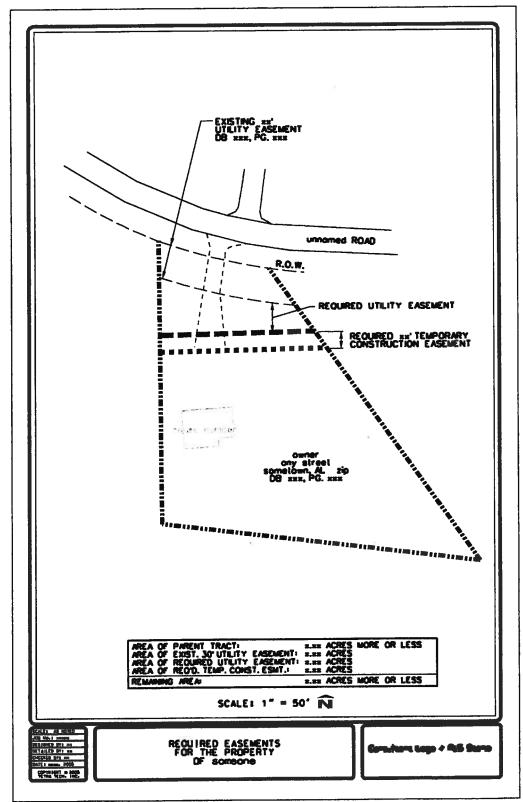
# ATTACHMENT 11 - UTILITY PROJECT NOTIFICATION FORM

NAME:(Utility Name)	
PROJECT NAME:	PROJECT NUMBER:
CONSULTING ENGINEER:(Name)	<del></del>
ENGINEERING REPRESENTATIVE	PHONE:
l have reviewed design drawings or other	r information as available, and:
DO	DO NOT
have facilities that will require relocation. If relocated a relocation is anti-	cation is required, a construction duration of cipated to be required for relocation.
LIST NAME(S) OF OTHER UTILITY(S) that share parting your work:	poles or facilities that have to be relocated prior to <u>YOU</u>
NAME OF UTILITY:	<del></del>
NAME OF UTILITY:	<del></del>
NAME OF UTILITY:	
OTHER:	<del></del>
COMMENTS:	
BY:AUTHORIZED REPRESENTATIVE	
FIELD CONTACT PERSON:	_ PHONE:
OFFICE CONTACT PERSON:	PHUNE:
DATE:	

#### **ATTACHMENT 12**



# ATTACHMENT 13 SAMPLE



...\easementtemplate\_V7.dgn 3/17/2006 12:11:14 PM

#### **ATTACHMENT 14**

#### United States National Map Accuracy Standards

With a view to the utmost economy and expedition in producing maps which fulfill not only the broad needs for standard or principal maps, but also the reasonable particular needs of individual agencies, standards of accuracy for published maps are defined as follows:

- 1. Horizontal accuracy. For maps on publication scales larger than 1:20,000, not more than 10 percent of the points tested shall be in error by more than 1/30 inch, measured on the publication scale; for maps on publication scales of 1:20,000 or smaller, 1/50 inch. These limits of accuracy shall apply in all cases to positions of well-defined points only. Well-defined points are those that are easily visible or recoverable on the ground, such as the following: monuments or markers, such as bench marks, property boundary monuments; intersections of roads, railroads, etc.; corners of large buildings or structures (or center points of small buildings); etc. In general what is well defined will be determined by what is plottable on the scale of the map within 1/100 inch. Thus while the intersection of two road or property lines meeting at right angles would come within a sensible interpretation, identification of the intersection of such lines meeting at an acute angle would obviously not be practicable within 1/100 inch. Similarly, features not identifiable upon the ground within close limits are not to be considered as test points within the limits quoted, even though their positions may be scaled closely upon the map. In this class would come timber lines, soil boundaries, etc.
- 2. **Vertical accuracy,** as applied to contour maps on all publication scales, shall be such that not more than 10 percent of the elevations tested shall be in error more than one-half the contour interval. In checking elevations taken from the map, the apparent vertical error may be decreased by assuming a horizontal displacement within the permissible horizontal error for a map of that scale.
- 3. **The accuracy of any map may be tested** by comparing the positions of points whose locations or elevations are shown upon it with corresponding positions as determined by surveys of a higher accuracy. Tests shall be made by the producing agency, which shall also determine which of its maps are to be tested, and the extent of the testing.
- 4. **Published maps meeting these accuracy requirements** shall note this fact on their legends, as follows: "This map complies with National Map accuracy Standards."
- 5. **Published maps whose errors exceed those aforestated** shall omit from their legends all mention of standard accuracy.
- 6. When a published map is a considerable enlargement of a map drawing (manuscript) or of a published map, that fact shall be stated in the legend. For example, "This map is an enlargement of a 1:20,000-scale map drawing," or "This map is an enlargement of a 1:24,000-scale published map."
- 7. **To facilitate ready interchange and use of basic information for map construction** among all Federal mapmaking agencies, manuscript maps and published maps, wherever economically feasible and consistent with the uses to which the map is to be put, shall conform to latitude and longitude boundaries, being 15 minutes of latitude and longitude, or 7.5 minutes, or 3-3/4 minutes in size.

U.S. BUREAU OF THE BUDGET

#### **ATTACHMENT 15**

# ENGINEERING DEPARTMENT - REAL ESTATE DIVISION PLAN REQUIREMENTS

#### **DRAWINGS:**

Individual Parcels

- Each individual parcel 8 ½" x 14" (dgn or dxf format)
- Show Calculations
  - Before
  - ➤ After
  - > Taking
- All Parcels shall be closed shapes (polygons).
- Show Existing and Proposed Right-of-Way on each individual parcel map.
- Property Ownership

#### Overall Project Land Acquisition Maps

- Total project drawing in dgn or dxf format
- Indicate the following:
  - Stationing on Centerline
  - ➤ Existing Right-of-Way
  - Proposed Right-of-Way
  - Existing Easements
  - Proposed Easements
  - Existing Pavement
  - Proposed Pavement/Sidewalks/Structures
  - > Existing Structures
  - Property Ownership

Color Standards	(SAMPLE)

<u>Description</u>	Color	Line Style	<u>Type</u>
Existing ROW	Red	Medium Dashed	
Proposed ROW	Red	Solid	Closed Polygon
Existing Easements	Orange	Medium Dashed	70
Proposed Easements	Orange	Solid	Closed Polygon
TCĖ	Pink	Solid	Closed Polygon

#### **DESCRIPTIONS:**

- Microsoft Word on 3.5" Diskette or CD
- Each Description shall be complete and independent (separate file).
- Hard Copies signed and stamped by PLS.

#### **GENERAL:**

- P.K. Nails or other permanent stationing markings shall be required.
- Re-staking of right-of-way or easements may be required (See Article 4).
- All survey plats to be on Alabama State Plane Datum. Strip Maps shall indicate at least 2 monuments in place with Alabama State Plane Coordinate values shown on each.
- Parcel plats and legal descriptions shall indicate the Alabama State Plane Coordinate NAD83 Alabama East Zone
   Value of the point of beginning.

# **ATTACHMENT 16 - GIS BASE MAP**

2	DESIGN LEVEL	CONTENTS	LINE CODE	COLOR	WEIGHT	TEXT SIZE	FONT	CELL NAME
3	1	State Plane Coordinate Grid	0	0	0	20	0	
3   Street FRW	2	Benchmarks						
4   Street R/W   7   0   0	3			105	0		0	
5         Street Centerline         7         0         0           6         Street Pavement         0         3         0           6         Proposed Street Pavement         3         16         0           6         Private Streets         0         105         0           6         Private Streets         0         105         0           7         Parking Lots         1         3         1           7         Private Lots used as Roads         1         105         0           8         Secondary Roads-Private         2         105         0           8         Secondary Roads-Private         2         3         0           9         Secondary Roads-Private         2         3         0           10         Sidewalks         5         3         0         20         0           10         Sidewalks         5         3         0         20         0           11         Bridges/Culverts/Paved         0         0         0         0         0           12         Hydrology - Major         6         1         0         0         0         1         0         1 <td>3</td> <td></td> <td></td> <td>_</td> <td>0</td> <td>20 (or 18)</td> <td>0</td> <td></td>	3			_	0	20 (or 18)	0	
6         Street Pavement         0         3         0           6         Proposed Street Pavement         3         16         0           6         Proposed Private Road         3         105         0           7         Parking Lots         1         3         1           7         Privale Lots used as Roads         1         105         1           8         Secondary Roads         2         3         0           8         Secondary Roads         2         3         0           8         Tralis         3         3         0           9         Secondary Roads/Trails Fext         0         3         0         20           10         Sidewalks         5         3         0         20         0           10         Sidewalks         5         3         0         20         0           10         Sidewalks         5         3         0         0         0           11         Bridges/Culverts/Paved         0         0         0         0         0           12         Hydrology - Major         6         1         0         0         0         0		Street R/W			0			
6         Proposed Street Pavement         3         16         0           6         Private Streets         0         105         0           7         Parking Lots         1         3         1           7         Private Lots used as Roads         1         105         0           8         Secondary Roads-Private         2         105         0           9         Secondary Roads-Private         2         105         0           10         Sidewalks         5         3         0         20           10         Sidewalks         5         3         0         20         0           11         Bridges/Culvers/Paved         0         0         0         0         0           12         Hydrology - Minor, Ditches         7         1         0         0         1         0         1         1         0         2         2         3         4         0	5			<del></del>				
6         Private Streets         0         105         0           6         Proposed Private Road         3         105         0           7         Parking Lots         1         3         1           7         Private Lots used as Roads         1         105         1           8         Secondary Roads         2         3         0           8         Secondary Roads         2         3         0           8         Trisis         3         3         0           10         Sidewalks         5         3         0           10         Sidewalks         5         3         0           11         Bridges/Culverts/Paved         0         0         0           12         Hydrology - Minor, Ditches         7         1         0         25         23           13         Hydrology - Minor, Ditches         7         1         0         25         23           14         Tallings & Quaries, Altheir         0         1         0         25         23           13         Hydrology - Text         0         1         0         25         23           15         Gre					· · · · · · · · · · · · · · · · · · ·			
6								
7								
7								<del> </del>
8         Secondary Roads - Private         2         105         0           8         Secondary Roads         2         3         0           9         Secondary Roads/Trails Text         0         3         0         20         0           10         Sidewalks         5         3         0         20         0           11         Bridges/Culverts/Paved         0         0         0         0         0           12         Hydrology - Major         6         1         0         0         2         1         1         0         2         23         1         1         0         2         2         3         1         1         0         2         2         3         1         1         0         2         2         3         1         1         0         2         2         3         4         8         0         0         7         1         0         2         2         3         4         8         0         7         1         0         2         2         3         4         8         0         7         7         1         0         2         2         3				_				
Secondary Roads								
Secondary Roads/Trails Text								
9   Secondary Roads/Trails Text   0   3   0   20   0								
10								
11						20	0	
Ditches								
12		Ditches		0	0			
13				1				
14				_				
Fields/Text, misc. areas				<u> </u>		25	23	
16		Fields/Text, misc. areas			0	!		
17								
18								
19								RR
Description						25	0	
21         Utility Easements         3         5         0           22         Utility Text         0         5         1           23         Geographic Names         0         3         1           24         Building Structures         0         0         0           24         Pools and Text         0         1         0         10         1           24         Future Site of Structures         2         0         0         STRUCT         24         Existing Structures (exact location and shape unknown)         2         0         0         STRCEX         STRCEX         STRCEX         2         0         0         STRCEX         STRCEX         2         0         0         STRCEX         STRCEX         0         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         0         1         0         1         0         1         0         1         0         1         0         0         0         1         0         0         1         0         0								
22         Utility Text         0         5         1           23         Geographic Names         0         3         1           24         Building Structures         0         0         0           24         Pools and Text         0         1         0         10         1           24         Future Site of Structures         2         0         0         STRUCT         Existing Structures (exact location and shape unknown)         2         0         0         STRCEX         STRCEX         5         STRCEX         0         0         1         0         1         1         0         1         0         1         0         1         0         1         0         1         0         1         0         0         0         0         0         0         0         0         1         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0								P POLE
23   Geographic Names   0   3   1								
24         Building Structures         0         0         0         0         1         0         10         1         1         1         0         1         2         2         1         2         0         0         0         0         STRUCT         2         2         0         0         0         0         STRUCT         2         2         0         0         0         0         STRUCT         2         0         0         0         0         0         STRUCT         2         0         0         0         0         0         3         STRUCT         2         0<								
24         Pools and Text         0         1         0         10         1           24         Future Site of Structures         2         0         0         STRUCT           24         Existing Structures (exact location and shape unknown)         2         0         0         STRCEX           25         Property Lines/ refuge bdy.         6         6         1         30         1           26         Cadastral Polygons         6         6         0         0         0           27         Ownership Text         0         6         1         0         10         1           28         Cemeteries/Text         4         6         0         10         1         1           29         Lot Numbers         25         0         0         30         0         0         35         0         0           31         Addition Names         0         0         0         35         0         0         0         35         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0								
24         Future Site of Structures         2         0         0         STRUCT           24         Existing Structures (exact location and shape unknown)         2         0         0         STRCEX           25         Property Lines/ refuge bdy.         6         6         1         30         1           26         Cadastral Polygons         6         6         0         0         0           27         Ownership Text         0         6         1         0         1         0         1         1         0         1         1         0         1         1         0         1         1         0         1         1         0         0         1         1         0         1         0         1         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         0         0         1         0								
24         Existing Structures (exact location and shape unknown)         2         0         0         STRCEX           25         Property Lines/ refuge bdy.         6         6         1         30         1           26         Cadastral Polygons         6         6         0         0         0           27         Ownership Text         0         6         1         0         0           28         Cemeteries/Text         4         6         0         10         1         1           29         Lot Numbers         25         0         0         30         0         0         0         0         35         0         0         0         0         0         35         0         0         0         0         35         0				<del></del>		10	1	OTTO LICAT
location and shape unknown    25    Property Lines/ refuge bdy.   6    6    1    30    1								
25         Property Lines/ refuge bdy.         6         6         1         30         1           26         Cadastral Polygons         6         6         0            27         Ownership Text         0         6         1            28         Cemeteries/Text         4         6         0         10         1           29         Lot Numbers         25         0         0           30         Block Numbers         30         0           31         Addition Names         0         0         35         0           32         Open               33         Lot Ticks               34         Lot Lines/Property Lines         6         6         0         AS=1         TREES           36         GPS Monuments         0         5         0         18         23         CONTRL           37         2' Topo Contour	24		2	U	U			SIRCEX
26         Cadastral Polygons         6         6         0           27         Ownership Text         0         6         1           28         Cemeteries/Text         4         6         0         10         1           29         Lot Numbers         25         0         0           30         Block Numbers         30         0           31         Addition Names         0         0         35         0           32         Open         35         Lot Ticks         34         Lot Lines/Property Lines         6         6         0         AS=1         TREES           36         GPS Monuments         0         5         0         18         23         CONTRL           37         2' Topo Contour         2' Topo Contour         CONTRL         30         0	25		-	6	1	20	1	
27         Ownership Text         0         6         1           28         Cemeteries/Text         4         6         0         10         1           29         Lot Numbers         25         0           30         Block Numbers         30         0           31         Addition Names         0         0         35         0           32         Open         35         Lot Ticks         34         Lot Lines/Property Lines         6         6         0         AS=1         TREES           36         GPS Monuments         0         5         0         18         23         CONTRL           37         2' Topo Contour         20         CONTRL         CONTRL         CONTRL						JU	1	,
28         Cemeteries/Text         4         6         0         10         1           29         Lot Numbers         25         0           30         Block Numbers         30         0           31         Addition Names         0         0         35         0           32         Open         35         Lot Ticks         34         Lot Lines/Property Lines         6         6         0         AS=1         TREES           36         GPS Monuments         0         5         0         18         23         CONTRL           37         2' Topo Contour         20         CONTRL         37								
29         Lot Numbers         25         0           30         Block Numbers         30         0           31         Addition Names         0         0         0         35         0           32         Open         35         Lot Ticks         34         Lot Lines/Property Lines         6         6         0         0         AS=1         TREES           36         GPS Monuments         0         5         0         18         23         CONTRL           37         2' Topo Contour         20         CONTRL         0         <						10	1	
30         Block Numbers         30         0           31         Addition Names         0         0         0         35         0           32         Open         35         0			+	<u> </u>	<b>U</b>			
31         Addition Names         0         0         0         35         0           32         Open								
32         Open         33         Lot Ticks           34         Lot Lines/Property Lines         6         6         0           35         Trees/Hedge Rows         0         6         0         AS=1         TREES           36         GPS Monuments         0         5         0         18         23         CONTRL           37         2' Topo Contour         0			0	0				
33         Lot Ticks           34         Lot Lines/Property Lines         6         6         0           35         Trees/Hedge Rows         0         6         0         AS=1         TREES           36         GPS Monuments         0         5         0         18         23         CONTRL           37         2' Topo Contour         0			U	<u> </u>	<u> </u>	23	U	
34         Lot Lines/Property Lines         6         6         0           35         Trees/Hedge Rows         0         6         0         AS=1         TREES           36         GPS Monuments         0         5         0         18         23         CONTRL           37         2' Topo Contour         0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
35         Trees/Hedge Rows         0         6         0         AS=1         TREES           36         GPS Monuments         0         5         0         18         23         CONTRL           37         2' Topo Contour         0			-					
36         GPS Monuments         0         5         0         18         23         CONTRL           37         2' Topo Contour         5         0         18         23         CONTRL		Trees/Hedge Power				A S-1		TDEEC
37 2' Topo Contour							<del></del>	
			U	3	U	18	23	CONTRL
I AM I BY Tomo Company I II I I I I I I I I I I I I I I I I	38	5' Topo Contour	0	7	0			

39	25' Major Topo Contour	0	7	0			
40	X Spot Elevation	0	7	0	+ +		<del></del>
41	FEMA Monuments/Labels	0	3/0	0	18	1	FEMA
42	Quarter Sections		3/0	······································	<del></del>	· · · · · · · · · · · · · · · · · · ·	TEMA
43	Section Lines	0	5	0	+ +		
44	Features	0	2	0	+		<del> </del>
44	Cell Towers	0	12	0	AS=1		CELTWR
45		0	8	0	AS=1		FENCE
	Fences (Pattern)				A3=1		
46	Format/Legend	0	0	0			Limleg Madleg
47	Mass Points	0	7	2			
48	Break Lines	0	7	2			
49	Open						
50	Billboards	0	37	1			BBOARD
51	Sanitary Sewer	0		3			
52	Sanitary Sewer Text						
53	Storm Water Features	0		3			
54	Storm Water Text						
55	Open	-,					
56	Property Address	0	1	0			
57	Text Tag for Buildings	0	1	0	10-20	i	
58	One Way Arrows	1	3	1			
59	Open						
60	Open					<del> </del>	
61	Open	<del></del>		·			
62	Monuments for Setup						
	(point cell)						
63	Open			· · · · · · · · · · · · · · · · · · ·			